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CASTLE HANDBOOK

Los Alamos Scientific Laboratory
A handbook for operation Castle.
Aamodt, et al Jan. 1, 1954 263p.

Aug. No. XXVIII-1440-20A

1. Castle

~~SECRET~~ SECRETCASTLE HANDBOOK
LASL

Aamodt, Robert Lee
Biggers, Wendell
Brown, Harold
Brown, Leon J
Browne, Charles I
Byerly, Paul
Cowan, George A
Cox, Arthur N
(Cont'd on card 2)

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LA-9941-MS (Rpt:Secret/RD)
Los Alamos National Laboratory.
MEASUREMENTS OF GAMMA-RAY INTENSITY
PRODUCED BY THE CASTLE ROMEO AND UNION
NUCLEAR EXPLOSIONS AT LATE TIMES (U).
Bob E. Watt, comp. Feb. 1984. 36 p.

CD: Unclass.
I. Auth.
II. Corp. Auth.
1. Romeo burst
2. Union burst
3. Castle
4. Bravo burst

JUN 16 1994

3-5-84

c.16A thru 35A

N8

EWE

J-15297

WD-family

Secret

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J-16113

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Secret

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J-16351

Los Alamos Scientific Laboratory
Notes on Pogo Meeting, 18
February 1953.
William Ogle Feb. 24, 1953 5 pp

Secret

J-16351
LASL
Ogle, William
1. Castle
2. Radiochemistry
3. Scaling Laws
4. Thermal
Radiation
5. Upshot--"Alpha"
Measurements

DELETED

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JUN 16 1954

J-17390

Secret

Los Alamos Scientific Laboratory
Summary of notes on a meeting
held at Los Alamos, New Mexico,
March 3 and 4, 1953 with
representatives of the Depart-
ment of Defense and J-Division
to discuss Castle Planning
with particular reference to TU-13.
(DOD Program).
William E. Ogle (Ed.) n.d. 45 p.

J-17390
LASL
Ogle, Wm. E. (Ed)
1. Castle

J-20715

Secret

Los Alamos Scientific Laboratory
Notes on Pogo staff meeting,
July 1, 1953.
William Ogle n.d. 5p.

J-20715
LASL
Ogle, William
1. Castle

J-20716

Secret

Los Alamos Scientific Laboratory
Notes on Pogo staff meeting.
William Ogle 23 Sept. 1953
6p.

J-20716
LASL
Ogle, William
1. Castle

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JTF-7 TG-7.3

Secret

Navy. Joint Task Force Seven.
Task Group 7.3
Final report on Operation
Castle.
June 14, 1954 372p.

JTF-7 TG-7.3
Navy. Joint Task
Force Seven.
Task Group 7.3
1. Castle

JTF-7 TG-7.4

Secret

Air Force. Joint Task Force Seven.
Task Group 7.4.
Final report of the Commander Air
Task Group 7.4 on Operation Castle.
July 1953 - June 1954
112p.

JTF-7 TG-7.4
Air Force. Joint Task
Force Seven. Task
Group 7.4
1. Castle
2. Sample Collection

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JTF-7-Order 1-54

Secret

JUN 16 1994

LASL. Joint Task Force Seven.
Task Group 7.1
Commander Task Group 7.1, Joint
Task Force Seven Operation
Order No. 1-54.

28 June 1954 4p.

JTF-7-Order 1-54
LASL. Joint Task
Force Seven. Task
Group 7.1

J3-1

1. Castle

2. Redwing

NBS-3C106 (Report: SECRET) Cd: SECRET RD SET-1A
National Bureau of Standards, Wash., D.C. I. Authors (4)
MEASUREMENT OF ELECTROMAGNETIC II. Corp. Auth.
EFFECTS DURING OPERATION CASTLE. III. BL-Control No.
John A. Kemper, Robert H. Doherty, 8623
William H. Lupton and Donald M. Waters. 1. Castle
December 1, 1954. 72p. 2. Electromagnetic
Radiation

SRD letter attached to copy 1-LASL-A

7-18-66

LA-115-66-9
& Master

NDL-TR-74 (Report: SECRET) Cd: UNCLASSIFIED
Nuclear Defense Lab., Edgewood Arsenal,
Md.
GAMMA DOSE RATE COMPILATION (U).
W.E. Loewe, J.W. Mandler, T.G.
Stinchcomb and W.E. Zagotta.
June 1966. 251p.

- I. Authors (4)
- II. Corp. Auth.
 1. Gamma Radiation
 2. Greenhouse
 3. Buster-Jangle
 4. Tumbler
 5. Ivy
 6. Castle
 7. Redwing
 8. Plumbbob
 9. Hardtack
 10. Sun Beam
 11. Fish Bowl

9-12-66

N17

JUN 16 1994

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NRDL-3689 (Report: SECRET)

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NRL-4875 (Report: SECRET)

Naval Research Lab., Wash., D.C.
COMPENDIUM OF THE MEASUREMENTS
OF RELATIVE POWER AS A FUNCTION
OF TIME. J.E. Perry. April 1, 1957.
65p.

1. Greenhouse
2. Tumbler-Snapper
3. Ivy
4. Castle
5. Teapot
6. Atomic Explosions
--Measurement
- I. Personal Author
- II. Corp. Author
- III. RD 00703

N10

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RM-1175-AEC

Secret

JUN 16 1994

Rand Corporation
Rand Sunshine Project Conference
December 16, 17, 18, 1953 at
Santa Monica, California.
Dec. 30, 1953 36p.

Sent on loan basis

RM-1175-AEC
Rand Corp.
1. Sunshine
2. Mike Burst—
Fall Out
3. Castle
4. Fall Out
5. Long Range
Detection
6. Radio Chemical
Detection
(Weapon)

DELETED

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DOE

JUN 16 1994

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DS

Tempo-B7951-01 (Rpt:Secret/RD)
Joint Task Force SEVEN.
RADIOLOGICAL SAFETY, OPERATION CASTLE,
SPRING 1954 : VOLUME I : FINAL REPORT . [1954].
445 p.

Cd:Unclassified

1. Corp. Auth.
1. Castle
2. Atomic
explosions--
Radiation effects
3. Fall-out--
Determination

3-27-86
NWN

c.002-I

N5

Tempo-B7951-02 (Rpt:Secret/RD)
Joint Task Force SEVEN.
RADIOLOGICAL SAFETY, OPERATION CASTLE,
SPRING 1954 : VOLUME II : FINAL REPORT.
[1954]. 315 p.

Cd:Unclassified

1. Corp. Auth.
1. Castle
2. Atomic
explosions--
Radiation effects
3. Fall-out--
Determination

3-27-86
NWN

c.002-I

N5

42

JUN 16 1994

WADC-TN-56-165 (Report: SECRET)

Wright Air Development Center.
Aircraft Lab., Wright-Patterson,
AFB, Ohio
AN ANALYTICAL EXPRESSION FOR TEMPERA-
TURE RISE IN THIN AIRCRAFT SKINS
SUBJECTED TO TRANSIENT HEATING.
Cason, Charles M January, 1956
38p.

1. Aircraft Skins
2. Aerodynamic Heating
3. Met Burst
4. Teapot
5. Castle
 - I. Cason, Charles M
 - II. Wright Air Development Center. Aircraft Lab., Wright-Patterson, AFB, Ohio
- III. 56WCLS-4385

WT-927 (Report: CONFIDENTIAL)

Naval Radiological Defense Lab.,
San Francisco
PROOF TESTING OF ATOMIC WEAPONS
SHIP COUNTERMEASURES. OPER-
ATION CASTLE, PROJECT 6.4. G. G.
Molumphy and M. M. Bigger. October
25, 1957. 464p.

1. Castle
2. Naval Vessels--
Decontamination
3. Aircraft--
Decontamination
4. Atomic Explosions
 - I. Authors (2)
 - II. Corp. Author

N8

WT-937 (Report: UNCLASSIFIED)

Naval Medical Research Institute.
MEDICAL EXAMINATION OF RONGELAP PEOPLE
SIX MONTHS AFTER EXPOSURE TO FALLOUT.
OPERATION CASTLE - ADDENDUM REPORT.
PROJECT 4.1A.
Bond, et al April, 1955 46p.

1. Fall-Out
2. Castle
3. Rongelap
 - I. Bond, V P
 - II. Conard, R A
- III. Robertson, J S
- IV. Weden, E A Jr.
 - V. Naval Medical Research Inst.
- VI. Naval Radiological Defense Lab.

(Med. Lib.)

53


WT-955 (Report: SECRET) Card: UNCLASSIFIED

JUN 16 1994

Edgerton, Germeshausen & Sier, Inc.,
Boston, Mass.
TECHNICAL PHOTOGRAPHY. OPER-
ATION CASTLE, PROJECTS 13.1, 13.2,
13.3, AND 23.2. March, 1955. 113p.

1. Castle
2. Photography
3. Atomic Cloud--
Photography
4. Ball of Fire--
Photography
- I. Corp. Author

N6

WT-9002 (Report: SECRET) Cd: UNCLASSIFIED

Sandia Corporation
GROUND-MOTION STUDIES ON OPERATIONS IVY
AND CASTLE. GENERAL REPORT ON WEAPONS
TESTS.
Perret, W R Feb., 1955 60p.

1. Ground Motion
2. Castle
3. Ivy
- I. Perret, W R
- II. Sandia Corporation

FILM-OA-53 (Film: SECRET)

Lookout Mountain Laboratory, Hollywood,
Calif.
OPERATION CASTLE: COMMANDER'S
REPORT. Project 22.3.53. (MOTION
PICTURE). 1954. Produced for Joint
Task Force Seven. 52 min., sd., color,
16 mm.

1. Castle--Admin-
istration and
Organization
2. Castle. Project
22.3.53
- I. Corp. Author

N4

2/62


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JUN 16 1994

J-22100

Secret

LASL. Joint Task Force Seven.
Task Group 7.1
The Operation Plan No. 1-53.
Operation Castle.
William Ogle 8 Dec. 1953 131p.

J-22100
LASL. Joint Task
Force Seven.
Task Group 7.1
Ogle, William
1. Castle--
Administration
& Organization

IOC-1

Secret

Directorate of Weapons Effects
Tests
Project Summaries (Revised).
Operation Castle, March -
April 1954.
December, 1953 47p.

IOC-1
Directorate of
Weapons Effects
Tests
1. Castle--Blast
Measurements
2. Castle--Blast
Measurements
(Free Air)
3. Castle--
Detection

(Cont'd on card 2)

IOC-1

card 2

Secret

4. Castle--Effects Experiments
5. Castle--Diagnostic Experiments
6. Castle--Thermal Radiation
7. Castle--Instrumentation
8. Long Range Detection

JUN 16 1994

ITR-902

SECRET

Naval Ordnance Laboratory
BLAST PRESSURES AND SHOCK
PHENOMENA MEASUREMENTS BY
PHOTOGRAPHY. OPERATION CASTLE
PRELIMINARY REPORT. PROJECTS
1.1a, 1.1b, and 1.1d.
Hanlon and Moulton June, 1954

I. Naval Ordnance Lab.
II. Hanlon, P
III. Moulton, J. F. Jr.
1. Blast Photography
2. Castle--Blast
Measurements
32p.

IOC-1

Secret

Directorate of Weapons Effects
Tests:
Project Summaries (Revised).
Operation Castle, March -
April 1954.
December, 1953 47p.

IOC-1
Directorate of
Weapons Effects
Tests:
1. Castle--Blast
Measurements
2. Castle--Blast
Measurements
(Free Air)
3. Castle--
Detection

(Cont'd on card 2)

IOC-1

card 2

Secret

4. Castle--Effects Experiments
5. Castle--Diagnostic Experiments
6. Castle--Thermal Radiation
7. Castle--Instrumentation
8. Long Range Detection

ITR-933

SECRET

JUN 16 1994

Edgerton, Germeshausen &
Grier, Inc.
CLOUD PHOTOGRAPHY. OPERATION
CASTLE PRELIMINARY REPORT.
PROJECT 9.1.
L. Fussell, Jr. May, 1954
46p.

- I. Edgerton, Germeshausen & Grier, Inc.
- II. Fussell, L. Jr.
 1. Castle--Cloud Formation
 2. Cloud Composition--Photographic Analysis.

IOC-1

Secret

Directorate of Weapons Effects
Tests
Project Summaries (Revised).
Operation Castle, March -
April 1954.
December, 1953 47p.

- IOC-1
Directorate of
Weapons Effects
Tests
1. Castle--Blast Measurements
 2. Castle--Blast Measurements (Free Air)
 3. Castle--Detection

(Cont'd on card 2)

IOC-1

card 2

Secret

4. Castle--Effects Experiments
5. Castle--Diagnostic Experiments
6. Castle--Thermal Radiation
7. Castle--Instrumentation
8. Long Range Detection

JUN 16 1994

Sandia Corporation
ELECTROMAGNETIC SIGNALS FROM
OPERATION CASTLE RECORDED IN
ALBUQUERQUE.

Eklund, et al Dec. 7, 1955
30p

- I. Eklund, M H
- II. Sander, H H
- III. Sandia Corp.
 1. Electromagnetic Detection (WD)
 2. Castle—Detection

5. Castle—Diagnostic Experiments

IOC-1

Secret

Directorate of Weapons Effects

Tests:

Project Summaries (Revised).
Operation Castle, March -
April 1954.
December, 1953 47p.

IOC-1

Directorate of
Weapons Effects
Tests

1. Castle—Blast
Measurements

2. Castle—Blast
Measurements
(Free Air)

3. Castle—
Detection

(Cont'd on card 2)

IOC-1

card 2

Secret

4. Castle—Effects Experiments
5. Castle—Diagnostic Experiments
6. Castle—Thermal Radiation
7. Castle—Instrumentation
8. Long Range Detection

UCRL-4248

Card

Secret

JUN 17 1964

Woodruff, W
Ross, W
Spies, R
Owren, H

Smith, V
Johnson, B
Hyne, A

1. Castle--Diagnostic Experiments
2. Ramrod--Diagnostic Experiments
3. Ramrod--"Alpha" Measurements

4. Ramrod--Ganex
5. Ramrod--Tanex

D-1

4. CASTLE -- EFFECTS Experiments

IOC-1

Secret

Directorate of Weapons Effects
Tests

Project Summaries (Revised).
Operation Castle, March -
April 1954.
December, 1953 47p.

IOC-1
Directorate of
Weapons Effects
Tests

1. Castle--Blast Measurements
2. Castle--Blast Measurements (Free Air)
3. Castle--Detection

(Cont'd on card 2)

IOC-1

card 2

Secret

4. Castle--Effects Experiments
5. Castle--Diagnostic Experiments
6. Castle--Thermal Radiation
7. Castle--Instrumentation
8. Long Range Detection

JUN 16 1994

NBS-5C104 (Rpt:Secret/RD)
United States. National Bureau of Standards.
ELECTROMAGNETIC PULSE INVESTIGATION.
William H. Lupton. Dec. 1954. 31 p.

Cd:Unclassified

- I. Corp. Auth.
- II. Auth. (1)
 1. Castle--Effects experiments
 2. Electromagnetic pulse--Measurement
 3. Electromagnetic radiation

8-17-89
NWN

c.4

N6

IOC-1

6. CASTLE--Thermal Radiation

Secret

Directorate of Weapons Effects

Tests

Project Summaries (Revised)

Operation Castle, March -

April 1954.

December, 1953

47p.

IOC-1

Directorate of
Weapons Effects
Tests

1. Castle--Elast
Measurements

2. Castle--Elast
Measurements
(Free Air)

3. Castle--
Detection

(Cont'd on card 2)

IOC-1

card 2

Secret

4. Castle--Effects Experiments
5. Castle--Diagnostic Experiments
6. Castle--Thermal Radiation
7. Castle--Instrumentation
8. Long Range Detection

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I-5137-1/6

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I-5137-1/6

card 2

SECRET

- I. Air Force
- II. Naval Radiological
Defense Lab.
- III. 0012227

ITR-935

SECRET

Scripps Institution of Oceano-
graphy
DISTRIBUTION OF RADIOACTIVE FALL-
OUT BY SURVEY AND ANALYSIS OF
CONTAMINATED SEA WATER. Opera-
TION CASTLE, PACIFIC PROVING
GROUNDS, PRELIMINARY REPORT.
PROJECT 2.7.

Folsom and Werner May, 1954
70p.

I. Scripps Institution
of Oceanography

II. Naval Radiological
Defense Lab.

III. Folsom, T R

IV. Werner, L B

1. Castle--Fall-Out

2. Fall-Out--

Distribution

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NRDL-TR-222 (Report: SECRET)

JUN 16 1994

Naval Radiological Defense Lab.
ANALYSIS OF FALLOUT DATA. PART
III. THE CORRELATION OF SOME
CASTLE FALLOUT DATA FROM SHOTS
1, 2, AND 3. C. F. Miller. May 13,
1958. 45 sheets.

1. Fall-Out
2. Castle--Fall-Out
 - I. Personal Author
 - II. Corp. Author

N5

NYO-4621

SECRET

New York Operations Office, AEC
RADIOACTIVE DEBRIS FROM OPERA-
TION CASTLE: WORLDWIDE FALLOUT.
Lynch, D E Jan. 21, 1955 41p.

1. Castle--Fall-Out
 - I. Lynch, D E
 - II. New York Operations
Office, AEC

NYO-4645

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Weather Bureau, Washington
WORLD-WIDE FALLOUT FROM
OPERATION CASTLE.
List, Robert J May 17, 1955
235p.

1. Castle--Fall-Out
2. Fall-Out
 - I. List, Robert J
 - II. Weather Bureau,
Wash.

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Naval Radiological Defense Lab. 1. Fall-Out--
 THE NATURE OF INDIVIDUAL RADIO- Radioactivity
 ACTIVE PARTICLES. IV. FALL-OUT 2. Castle--Fall-Out
 PARTICLES FROM THE FIRST SHOT, I. Adams, C E
 OPERATION CASTLE. II. Naval Radiological
 Defense Lab.
 Adams, C E Jan. 17, 1955
 26p.

WT-938 (Report: OFFICIAL USE ONLY)

Naval Medical Research Inst., Bethesda, 1. Castle--Fall-Out
 Maryland. 2. Castle. Project 4.1
 EXPOSURE OF MARSHALL ISLANDERS I. Authors (2)
 AND AMERICAN MILITARY PERSONNEL II. Corp. Author
 TO FALLOUT. OPERATION CASTLE--
 PROJECT 4.1 ADDENDUM. Robert
 Sharp and William H. Chapman. Mar.
 1957. 48p.

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WT-912 (Report: SECRET)

Army Signal Engineering Labs., Fort 1. Castle. Project 2.1
 Monmouth, N. J. 2. Castle--Gamma
 GAMMA RADIATION EXPOSURE. Radiation
 OPERATION CASTLE---PROJECT 2.1. 3. Gamma Radiation--
 R. H. Dempsey, R. G. Larrick, G. A. Detection and
 Baraff and O. E. Johnson, Jr. March Measurement
 16, 1959. 44p. I. Authors (4)
 II. Corp. Author

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JTF Seven No: SRD-504-54W

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Air Force. Joint Task Force Seven
HISTORY OF OPERATION CASTLE,
PACIFIC PROVING GROUND, SPRING
1954.

Bechanan, and Jones (Comp.)
1954 233p.

1. Castle—
History
2. Echo Burst
3. Bravo Burst
4. Coon Burst
5. Nectar Burst
6. Romeo Burst
7. Union Burst
8. Yankee Burst
- I. Bechanan,
H Gordon
- II. Jones,
Charles O

III. Air Force. Joint
Task Force Seven

IV. SRD-504-54W

SWP-54-1362

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IOC-1

7. Castle—Instrumentation
Secret

Directorate of Weapons Effects

Tests

Project Summaries (Revised).

Operation Castle, March -
April 1954.

December, 1953 47p.

IOC-1
Directorate of
Weapons Effects
Tests

1. Castle—Blast
Measurements

2. Castle—Blast
Measurements
(Free Air)

3. Castle—
Detection

(Cont'd on card 2)

65

IOC-1

card 2

Secret

JUN 16 1994

4. Castle--Effects Experiments
5. Castle--Diagnostic Experiments
6. Castle--Thermal Radiation
7. Castle--Instrumentation
8. Long Range Detection

Tech. Memo. 245-54-52

CONFIDENTIAL

Sandia Corporation
REPORT ON THE INSTRUMENTATION
AND OPERATION OF THE MICRO-
BAROGRAPH STATIONS. OPERA-
TION CASTLE, PROJECT 17.1.
Thompson, R H Jan. 5, 1955
30p.

1. Castle--
Instrumentation
- I. Thompson, R H
- II. Sandia Corp.
- III. Case No. 594.00
- IV. Project 17.1

TM-91

Secret

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203

106

UCRL-4245

2. Castle--Instrumentation

Confidential

JUN 16 1994

California. Univ. Radiation Lab.
Livermore Site

Castle electronic diagnostic
pre-operational report. Volume
V: Detectors.

Harry T. Easterday, et al
Dec. 1953 77p.

UCRL-4245

Calif. U. Radiation
Lab. Livermore
Site

Easterday, Harry T
Colgate, S A
Hadley, J W
Heusinkveld, E
Perez-Mendez, V
(Cont'd on card 2)

UCRL-4245

card 2

Confidential

Villaire, A E
Fairbrother, F
Varnett, C S
Woodruff, W R
Kloverstrom, F A
Williamson, M A
Ross, W N
Spies, R J
Owren, H M
Smith, V L
Johnson, B M

1. Castle--Diagnostic Experiments
2. Castle--
Instrumentation
3. Scintillation
Detectors

J-12-309 (Report: SECRET) Card: UNCLASSIFIED

Los Alamos Scientific Lab., New Mexico
MEASUREMENTS.

January 1, 1954. 178p.

R. Lee Aamodt.

I. Corp. Author
II. Personal Author
1. Castle--
Measurements

N4

6-24-64

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JTF-7, Log. NR: SRD-180-55W

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Air Force. Joint Task Force Seven 1. Castle--Meteoro-
THE EFFECTS OF CASTLE DETONATION logical Effects
UPON THE WEATHER. SPECIAL REPORT. I. Bonnot, Carlos D
BONNOT AND SLATER OCT. 1954 II. Slater, Hershel
85p. H
III. Air Force.
Joint Task
Force Seven

WT-952 (Report:SECRET) CD: UNCLASSIFIED

Los Alamos Scientific Laboratory
EXTERNAL NEUTRON MEASUREMENTS. OPERATION
CASTLE, PROJECT 14.1.
Biggers, et al Oct. 1955 50p.

1. Castle--Neutron
Measurements
2. Neutron Measurements
- I. Biggers, Wendell A
- II. Brown, Leon J
- III. Kohr, Kenneth C
- IV. Los Alamos
Scientific Lab.

WT-952 (Prelim.) (Report: SECRET) Card: UNCLASSIFIED

Los Alamos Scientific Laboratory
EXTERNAL NEUTRON MEASUREMENTS OPERATION
CASTLE.
Biggers, et al October, 1955 48p.

- IX. Schuch, Robert L
- X. Shaw, E E
- XI. Waddell, Freeman J
- XII. Los Alamos Scientific Lab.

1. Castle--Neutron
Measurements
2. Neutron
Measurements
- I. Baird, W L
- II. Biggers, Wendell
A
- III. Bowers, D J
- IV. Brown, Leon J
- V. Copley, Dorothy
L
- VI. Hill, James H
- VII. Kohr, Kenneth C
- VIII. Phillips, Donald
Davis

EG&G-OUT-1330

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EG&G-OUT-1332

Secret

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EG & G-OUT-1502

Secret

Edgerton, Germeshausen & Grier,
Inc.

EG & G-OUT-1502

Edgerton,
Germeshausen &
Grier, Inc.

Castle. Pre-operational photo-
plan. Revision No. 1. Projects:
13.1, 13.2, 13.3, 23.2. Support
for projects: 1.1a, 1.1b, 1.1c;
2.5.

1. Castle--Photo-
graphy

January 19, 1954 62p.

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EG&G-OUT-1653

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Edgerton, Germeshausen & Grier,
Inc.

PROGRESS REPORT FOR THE MONTH
OF JULY, 1954. CONTRACT NO.
AT(29-1)-1183.

30 July 1954 23p.

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1. Castle--Photography
2. Mike Burst--
Photography
3. King Burst--
Photography
4. Yankee Burst--
Photography
5. Union Burst--
Photography
6. Romeo Burst--
Photography
7. Bravo Burst--
Photography

EG&G-OUT-1653

card 2

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8. Echo Burst--
Photography
9. Nectar Burst--
Photography
10. Koon Burst--
Photography
11. Ivy
12. Wigwam
- I. Edgerton,
Germeshausen &
Grier, Inc.

UCRL-4238

Secret

California. Univ. Radiation Lab.
Livermore Site

Castle scientific-photography
experiment preoperational report.
Theodore C. Merkle June 16, 1953
42p.

UCRL-4238
Calif. U. Radiation
Lab. Livermore
Merkle, Theodore C.
1. Castle--Photo-
graphy

SECRET

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TL-6TR-1186 (Report: SECRET) Cd: UNCLASSIFIED
Tracerlab, Inc., Boston, Mass.

INTERPRETATION OF RARE EARTH
RATIOS. J. W. Shearer. October 1,
1954. 21p.

- I. Author (1)
II. Corp. Auth.
III. 6TR-1186
1. Joe Bursts
--Radiochemical
Analysis
2. Castle--
Radiochemical
Analysis
3. British
Bursts--
Radiochemical
Analysis
4. Upshot-Knothole
--Radiochemical
Analysis

8-16-65

N8

JUN 16 1994

TL-I-10318/8

SECRET

CD: UNCLASSIFIED

Tracerlab, Inc.
RADIOASSAY DATA OF AIR AND
WATER SAMPLES: FINAL
REPORT, JANUARY 1, 1954
- JUNE 30, 1955. VOLUME
III.

n.d. 88p.

1. Radiochemical Detection
(WD)
2. Teapot--Radiochemical
Analysis
3. Castle--Radiochemical
Analysis
I. Tracerlab, Inc.
II. I-10318/8
III. 5TR-2973

NRL-4519

SECRET

Naval Research Laboratory
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2. Easy Burst
3. Item Burst
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[REDACTED]
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(E,F,G plates).
August 1951 200p.

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August 17, 1951 50p.

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LAMD-1186

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Los Alamos Scientific Laboratory
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The necessity for and value of
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Darol Froman August 28, 1953
24p.

Auth. No. CX-827-14A

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Calif. U. Radiation
Lab. Livermore Site

Froman, Darol F

1. Pacific Proving
Grounds
2. Nevada Proving
Grounds
3. Sandstone
4. Ranger
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5. Greenhouse

6. Buster

7. Tumbler-Snapper

8. Upshot-Knothole

9. Ivy

10. Castle

11. X-Ray Burst

12. Yoke Burst

13. Zebra Burst

14. Able Burst

15. Baker Burst

16. Easy Burst

17. Buster Burst A

18. Dog Burst

19. George Burst

20. Item Burst

21. Charlie Burst

22. Ranger Burst A

23. Ranger Burst B

24. Ranger Burst B₂

25. Ranger Burst E

26. Ranger Burst F

27. Buster

Burst B

28. Buster

Burst C

29. Buster

Burst D

30. Buster

Burst E

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card 3)

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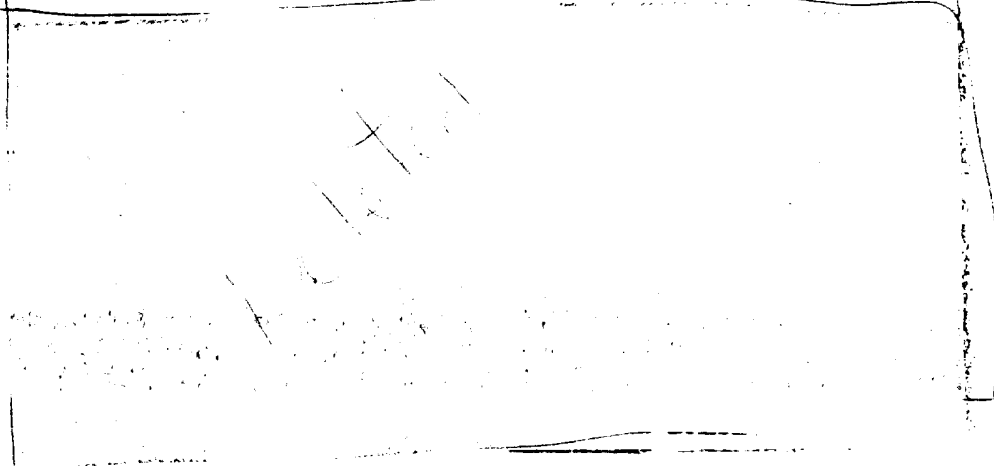
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LAMD-1226

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E. H. Krause December 1, 1950
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Final report of Commander Task
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A.R. Walk 28 June 1951
30 p. & Appendices

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Group 3.2

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Administration
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Formation

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1. Atomic Explosions -
Fall Out
4. Atomic Explosions -
Gamma Emission
5. Atomic Explosions -
Medical Effects
6. Atomic Explosions -
Neutron Emission
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Prompt Radiation
8. Atomic Explosions -
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9. Atomic Explosions -
Thermal Radiation

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3. Blast Measurements
4. Eniwetok
5. Greenhouse--
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Measurements
6. Greenhouse--
Blast

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7. Greenhouse--Cloud Formation
8. Greenhouse--Diagnostic Experiments
9. Greenhouse--Effects Experiments
10. Greenhouse--Instrumentation
11. Greenhouse--Thermal Radiation
12. Greenhouse--Total Gamma Radiation
13. Greenhouse--Transit Time
14. Neutrons--Detection & Measurement

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15. Structures--Blast Damage
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8. " - Diagnostic Experiments
9. " - Effects Experiments
10. " - Instrumentation
11. " - Thermal Radiation
12. " - Total Gamma Radiation
13. " - Transit Time
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428 pp.

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10 pp

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WT-110

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31 December 1951 40pp

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Jangle

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Cloud
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3. Jangle--Base
Surge
4. Jangle--Cloud
Formation

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5. Jangle - Fall Out
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8. Greenhouse--Diagnostic
Experiments
9. Greenhouse--Effects
Experiments
10. Greenhouse--Instrument-
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11. Greenhouse--Thermal
Radiation
12. Greenhouse--Total
Gamma Radiation
13. Greenhouse--Transit
Time
14. Neutrons--Detection &
Measurement

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15. Structures--Blast
Damage
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17. Total Gamma Radiation
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Greenhouse

1. Atomic Cloud
--Sampling
2. Dog Burst--
Detection
3. Dog Burst--
Fission
Products
4. Easy Burst--
Detection

5. Easy Burst - Fission Products
6. Fall Out
7. Fraction of - Bomb
8. George Burst - Detection
9. Greenhouse Cloud Travel
10. Greenhouse - Fission Products
11. Item Burst - Detection
12. Rainwater - Analysis

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Greenhouse

1. Atomic Explosions
2. Blast Damage
3. Blast Measurements
4. Eniwetok
5. Greenhouse--
"Alpha"
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6. Greenhouse--
Blast

7. G - Cloud Formation
8. - Diagnostic Experiments
9. - Effects Experiments
10. - Instrumentation
11. - Thermal Radiation
12. - Total Gamma Radiation
13. - Transit Time
14. Neutrons - Detection + Measurement

LAMD-914 Secret Page 2

15. Structures--Blast
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16. Thermal Radiation--
Detection &
Measurement
17. Total Gamma Radiation
--Detection &
Measurement
18. Greenhouse--Photo-
graphic Analysis

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Greenhouse

1. Atomic Cloud
--Sampling
2. Dog Burst--
Detection
3. Dog Burst--
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4. Easy Burst--
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5. Easy Burst - Fission Products

6. Fall Out

7. Fraction of Bomb

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10. Greenhouse - Fission Products

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8. " - Diagnostic Experiments
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12. " - Total Gamma Radiation
13. " - Transit Time
14. Neutrons - Detection & Measurement

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15. Structures--Blast
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17. Total Gamma Radiation
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Measurement
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ments
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5. Greenhouse--
"Alpha"
Measurements
6. Greenhouse--
Blast

JUN 16 1994

3. Buster Burst C--Ball of Fire
4. Buster Burst E--Ball of Fire
5. Dog Burst--Ball of Fire
6. Easy Burst--Ball of Fire
7. George Burst--Ball of Fire
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SD-4619

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Fall Out
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Thermal Rad.

NRL-4512

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7. Tumbler-Snapper	18. Dog Burst	28. Buster
8. Upshot-Knothole	19. George Burst	Burst C
9. Ivy	20. Item Burst	29. Buster
10. Castle	21. Charlie Burst	Burst D
11. X-Ray Burst	22. Ranger Burst A	30. Buster
12. Yoke Burst	23. Ranger Burst B	Burst E
13. Zebra Burst	24. Ranger Burst B2	
14. Able Burst	25. Ranger Burst E	(Cont'd on
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32. Tumbler-Snapper Burst 2	44. Upshot-Knothole Dixie
33. Tumbler-Snapper Burst 3	45. Upshot-Knothole Grable
34. Tumbler-Snapper Burst 4	46. Upshot-Knothole Harry
35. Tumbler-Snapper Burst 5	47. Upshot-Knothole Encore
36. Tumbler-Snapper Burst 6	48. Upshot-Knothole Nancy
37. Tumbler-Snapper Burst 7	49. Upshot-Knothole Ray
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3. Sandstone

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- Greenhouse--Cloud
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- 8. Greenhouse--Diagnostic
Experiments
- 9. Greenhouse--Effects
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- 10. Greenhouse--Instrument-
tation
- 11. Greenhouse--Thermal
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- 12. Greenhouse--Total
Gamma Radiation
- 13. Greenhouse--Transit
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- 14. Neutrons--Detection &
Measurement

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- 15. Structures--Blast
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- 16. Thermal Radiation--
Detection &
Measurement
- 17. Total Gamma Radiation
--Detection &
Measurement
- 18. Greenhouse--Photo-
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Jangle
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Cloud
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Sampling
3. Jangle--Base
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Formation

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B--Ball of
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Speed Camera
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7. Easy Burst--Ball of Fire
8. George Burst--Ball of Fire
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60 pp

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16. Thermal Radiation--
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17. Total Gamma Radiation
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Measurement
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Harris, Payne S
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4. Greenhouse
Diagnostic
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WT-37

WD-Family

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Zwemer, Howard A

Fink, Daniel J

ADTS-1060

1. Airplane B-36H—
Effects Experiment
2. Airplane B-47B
Effects Experiment
3. Airplane B-52—
Effects Experiment
4. King Burst
5. Mike Burst

CASTLE HANDBOOK

Los Alamos Scientific Laboratory
A handbook for operation Castle.
Aamodt, et al Jan. 1, 1954 263p.

Auth. No. XXVIII-1440-20A

~~TOP~~ SECRET

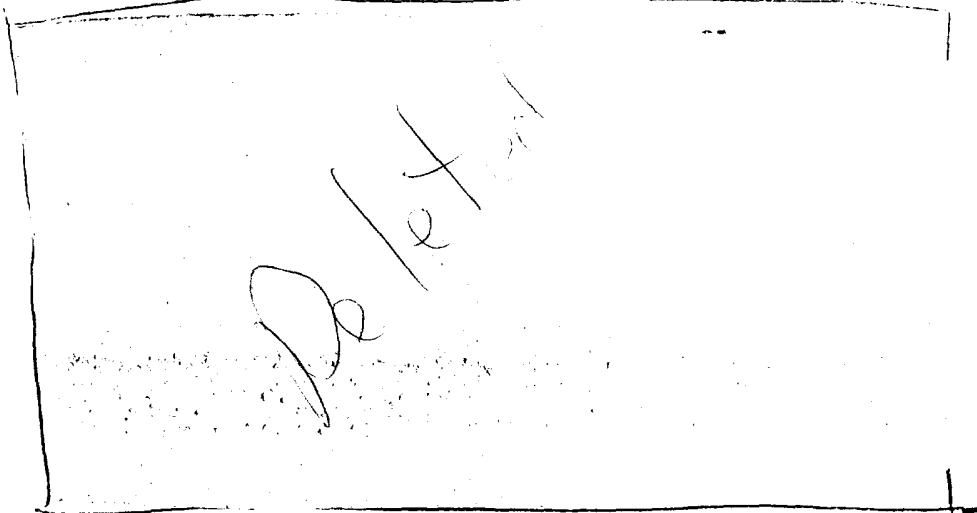
CASTLE HANDBOOK
LASL

Aamodt, Robert Lee
Biggers, Wendell
Brown, Harold
Brown, Leon J
Browne, Charles I
Byerly, Paul
Cowan, George A
Cox, Arthur N
(Cont'd on card 2)

30. Mile Burst

Deleted

JUN 16 1994



DAS

FILM-OA-52 (Film: SECRET) Card: UNCLASSIFIED

Lookout Mountain Lab., Hollywood, Calif.
OPERATION IVY. MIKE AND KING
SHOTS. DASA PROJECT 21. (MOTION
PICTURE). 1952. Prepared by Lookout
Mountain Laboratory for Los Alamos
Scientific Laboratory, N. Mex. 15 min.,
color, 16 mm.

1. Ivy, Project 21
2. King Burst
3. Mike Burst
1. Corp. Authors (2)

N6

2/62

FILM-OA-56 (REELS I & II) (Film: SECRET)

Lookout Mountain Laboratory, Hollywood,
Calif.
OPERATION IVY. (MOTION PICTURE).
1952. Produced for Joint Task Force 132.
Reel I: 29 min., sd., color, 16 mm.
Reel II: 35 min., sd., color, 16 mm.

1. Ivy
2. King Burst
3. Mike Burst
1. Corp. Author

N5

2/62

JUN 16 1994

Auth. No. OA-XXVIII-1446

5-10-71

print #1A

Content:

Class:

IVY-HISTORY

Joint Task Force 132
History of Operation Ivy,
1951 - 1952.
Moore Jr. and Bechanan
n.d. 328p.

Secret

IVY-History
Joint Task Force
132
Moore, Frank E Jr.
Bechanan, H
Gordon
1. Ivy
2. King Burst
3. Mike Burst

J-14928

SECRET

Deleted

JUN 16 1994

JF-1021

SECRET

Joint Task Force 132
Firing party operational directive.
Firing party plan, CTG 132.1 Operations
Order #1-52. Appendix 1 to Annex 1.
S.W. Burriss 26 Oct. 1952 13 pp

JF-1021
Joint Task
Force 132
Burriss, S W
1. Mike
Burst

JR 9671

Secret

LASL. J-Division
Present status of Ivy experimental
program.
W. E. Ogle 30 January 1952 14 pp

JR 9671
LASL. J-Division
Ogle, William E
Ivy
1. Blast
Measurements
2. Ivy--Blast
3. Ivy--Diagnos-
tic Experi-
ments
4. Ivy--Effects
Experiments
5. Ivy--Instru-
mentation

LAMD-1186

Secret

Los Alamos Scientific Laboratory
California. University. Radiation
Lab. Livermore Site.
The necessity for and value of
continental tests.
Darol Froman August 28, 1953
24p.

LAMD-1186
LASL.
Calif. U. Radiation
Lab. Livermore Site
Froman, Darol F
1. Pacific Proving
Grounds
2. Nevada Proving
Grounds
3. Sandstone
4. Ranger
(Cont'd on card 2)

Auth. No. CX-827-14A

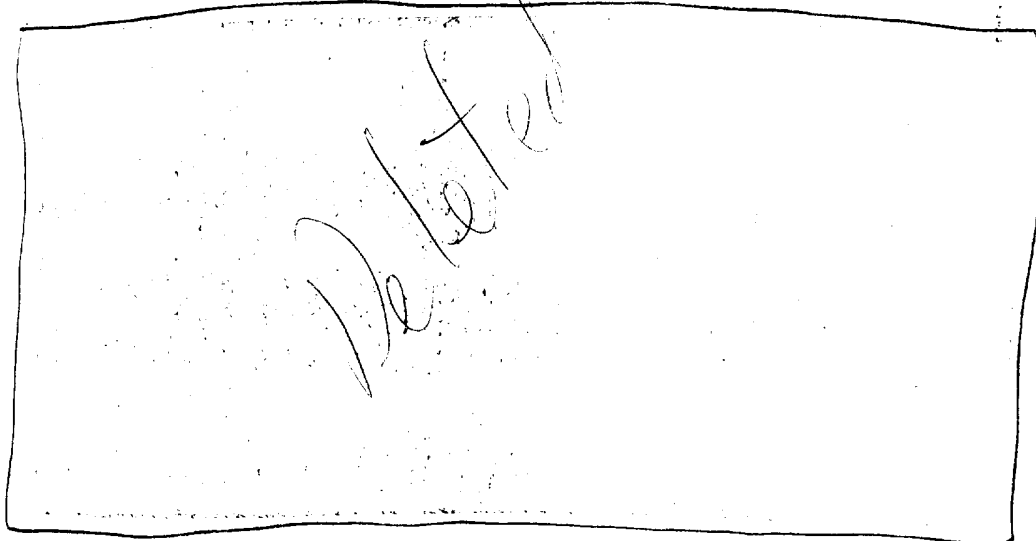
JUN 16 1994

LAMD-1186

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5. Greenhouse	16. Easy Burst	27. Buster
6. Buster	17. Buster Burst A	Burst B
7. Tumbler-Snapper	18. Dog Burst	28. Buster
8. Upshot-Knothole	19. George Burst	Burst C
9. Ivy	20. Item Burst	29. Buster
10. Castle	21. Charlie Burst	Burst D
11. X-Ray Burst	22. Ranger Burst A	30. Buster
12. Yoke Burst	23. Ranger Burst B	Burst E
13. Zebra Burst	24. Ranger Burst B2	(Cont'd on
14. Able Burst	25. Ranger Burst E	card 3)
15. Baker Burst	26. Ranger Burst F	

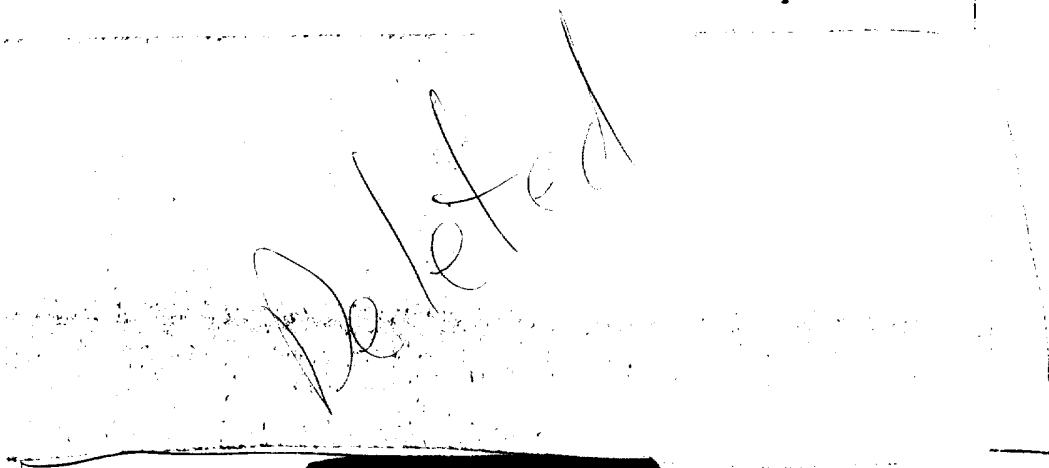


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TM-96

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TM-114

Secret

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005

TU-4, Vol. 1

SECRET

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005

[Redacted]

JUN 16 1994

TWG-112 (Report: SECRET) Card: CONFIDENTIAL-RD

Theoretical Weapons Group

MINUTES OF THE ONE-HUNDRED-SIXTH MEETING, MAY 6, 1965.

Foster Evans. May 18, 1965. 17p.

- I. Author (1)
- II. Corp. Auth.
 1. Wagtail Burst
 2. Auk Burst
 3. Scampi Burst
 4. Stilt Burst
 5. Sienna Burst
 6. Mike Burst
 7. Par Burst
 8. Barbel Burst

6-1-65

NII

UPSHOT HANDBOOK

Los Alamos Scientific Laboratory
A handbook for the diagnostic
experiments of Operation Upshot.
Programs 10-20.

L.B. Seely ed 1 Feb. 1953 148p.

Auth. No. XXVIII-1416

SECRET

UPSHOT HANDBOOK
LASL

Seely, Leslie B ed.
Biggers, Wendell A
Cowan, George A
England, Robert D
Felt, Gaelen L
Malik, John S
Ogle, William E
Partridge, Ralph E
Phillips, Donald D
Seacord, Daniel F
Smith, Newell H

(Cont'd on card 2)

15. Mile Burst

JUN 16 1994

Delete

USNRDL-TR-70

SECRET

Naval Radiological Defense Lab.
HEAVY NUCLIDE ANALYSES PERFORMED ON
SAMPLES FROM SHOTS 4 AND 5 AT OPERATION
CASTLE.

Wish, et al November 29, 1955
21p.

1. Union Burst
2. Yankee Burst
3. Mike Burst
4. Fall-Out—
Analysis
5. Transuranium
Elements—
Production
- I. Freiling, E C
- II. Rowell, M
- III. Wish, L
- IV. Naval Radiologi-
cal Defense Lab.

JUN 16 1994

J-15207

WD-Family

Secret

Joint Task Force 132

Report of the Commander, Task
Group 132.1 on Operation Ivy.
Part III - General activity of
TG 132.1.

n. d. 123 pp

J-15207

Joint Task Force 132

1. Ivy--Administration
and Orgnaization
2. King Burst--
Administration &
Organization
3. Mike Burst--
Administration &
Organization

J-15206

WD-Family

Secret

Joint Task Force 132

Report of the Commander, Task
Group 132.1 on Operation Ivy.
Part II - Summary of experimental
programs.

n. d. 17 pp

J-15206

Joint Task Force
132

1. Ivy--"Alpha"
Measurement
2. Ivy--Diagnostic
Experiments
3. Ivy--Effects
Experiments
4. Ivy--Blast
5. Ivy--Thermal
Radiation

(Cont'd on card ?)

J-15206

WD-Family

Secret

JUN 16 1994

(cont'd on card 2)

6. Ivy--Transit Time
7. King--"Alpha"
Measurement
8. King Burst --Diagnostic
Experiments
9. King Burst --Diagnostic
Experiments
10. King Burst-- Blast
11. King Burst --Thermal
Radiation
12. King Burst--Transit
Time
13. Mike Burst--"Alpha"
Measurement

J-15206

WD-Family

Secret

14. Mike Burst--Diagnosis
Experiments
15. Mike Burst--Effects
Experiments
16. Mike Burst--Blast
17. Mike Burst-- Thermal
Radiation

NRL-RD-234

Secret

Naval Research Laboratory
Ivy diagnostic experiments.
Mike - Volume I. (Working
Paper).

n.d. 276p.

- NRL-RD-234
Naval Research Lab.
1. Ivy--Diagnostic
Experiments
 2. Mike Burst--
Diagnostic
Experiments
 3. Mike Burst--"Alpha"
Measurements
 4. Mike Burst--
Gamma Reactions


EG & G-1082

Secret

JUN 10 1994

Edgerton, Germeshausen &
Grier, Inc.
Ivy fireball diameter-time
characteristics.
26 Feb. 1953 28 pp

EG&G-1082
Edgerton,
Germeshausen
& Grier, Inc.
EG&G OUT-1086
1. Ball of Fire
--Photographic
Analysis
2. King Burst
--Ball of
Fire

(Cont'd on card 2)

EG&G-1082

2

Secret

3. Mike Burst
--Ball of
Fire
4. King Burst
--Yield
5. Mike Burst--Yield
6. Ivy--Ball
of Fire
7. Ivy--Yield

EG&G-1083

Secret

Edgerton, Germeshausen & Grier,
Inc.
IVY - Project 3.1. Fireball
diameter - time characteristics.
Measurement and calculation sheets.
Feb. 26, 1953 58 pp

EG&G-1083
Edgerton,
Germeshausen
& Grier, Inc.
EG&G OUT-1087
1. Ball of Fire
--Photographic
Analysis
2. King Burst--
Ball of Fire

(cont'd on card 2)

EG&G-1083

2

Secret

JUN 16 1994

3. King Burst
—Yield
4. Mike Burst—
Ball of Fire
5. Mike Burst—
Yield
6. Ivy—Yield
7. Ivy —Ball of
Fire

EG&G-OUT-1517 Vol.2

Secret

Edgerton, Germeshausen & Grier, Inc.
Ivy film data sheet catalog. Mike
Shot. Volume 2 of 2 volumes.
24 February 1954 87p.

- EG&G-OUT-1517,
Vol.2
Edgerton,
Germeshausen &
Grier, Inc.
1. Mike Burst—
Yield
 2. Mike Burst—
Ball of Fire
 3. Ivy

EG&G-OUT-1666

SECRET

Edgerton, Germeshausen & Grier, Inc.
ILLUSTRATIONS OF THE SHAPE OF
THE RADIATING FIREBALL.

25 October 1954 5p.

1. King Burst—
Ball of Fire
2. Union Burst—
Ball of Fire
3. Mike Burst—
Ball of Fire
4. Romeo Burst—
Ball of Fire
5. Bravo Burst—
Ball of Fire
- I. Edgerton,
Germeshausen &
Grier, Inc.

II. EG&G-1163

156

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TM-89

Secret

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TM-94

Secret

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Secret

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WD-Family

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JUN 16 1994

Joint Task Force 132

Report of the Commander, Task
Group 132.1 on Operation Ivy.
Part II - Summary of experimental
programs.

n. d. 17 pp

(Cont'd on card 2)

J-15206

Joint Task Force
132

1. Ivy--"Alpha"
Measurement
2. Ivy--Diagnostic
Experiments
3. Ivy--Effects
Experiments
4. Ivy--Blast
5. Ivy--Thermal
Radiation

J-15206

WD-Family

Secret

6. Ivy--Transit Time
7. King--"Alpha"
Measurement
8. King Burst --Diagnostic
Experiments
9. King Burst --Diagnostic
Experiments
10. King Burst-- Blast
11. King Burst --Thermal
Radiation
12. King Burst--Transit
Time
13. Mike Burst--"Alpha"
Measurement

(cont'd on card 2)

J-15206

WD-Family

Secret

14. Mike Burst--Diagnostic
Experiments
15. Mike Burst--Effects
Experiments
16. Mike Burst--Blast
17. Mike Burst-- Thermal
Radiation

JUN 16 1994

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DSE

C2-38529

Air Research & Development Command
Effects of superweapons upon the
climate of the world. A second
study, November 1952.

N. M Lulejian 12 Dec. 1952 11 pp

Secret

C2-38529

Air Research &
Development
Command

Lulejian, N M

1. Atomic Cloud Rise
2. Atomic Explosions
3. Climatology
4. Mike Burst--
Cloud Rise
5. Thermonuclear
Explosions

EG&G-OUT-1555

Edgerton, Germeshausen & Grier, Inc.
Cloud and stem phenomena.
Operation Ivy.

April 23, 1954 44p.

Secret

EG&G-OUT-1555

Edgerton,
Germeshausen &
Grier, Inc.

EG&G-1136

1. Ivy
2. Mike Burst--
Cloud Formation
3. Mike Burst--
Cloud Rise
4. King Burst--
Cloud Formation

5. King Burst--
Cloud Rise

SECRET

BRL-MR-775-RD-

Secret

JUN 16 1994

Ballistics Research Labs.
TNT equivalent of nuclear
explosions effective in
crater formation.
B. Perkins, Jr. April, 1954
12p.

5. Surface Explosions—
Crater Formation

BRL-MR-775-RD
Ballistic Research
Labs.
Perkins, B Jr.
1. Jangle S Burst—
Crater Formation
2. Jangle U Burst—
Crater Formation
3. Mike Burst—
Crater Formation
4. Surface Bursts—
Crater Formation

J-15206

WD-Family

Secret

Joint Task Force 132
Report of the Commander, Task
Group 132.1 on Operation Ivy.
Part II - Summary of experimental
programs.
n. d. 17 pp

(Cont'd on card 2)

J-15206
Joint Task Force
132
1. Ivy--"Alpha"
Measurement
2. Ivy--Diagnostic
Experiments
3. Ivy--Effects
Experiments
4. Ivy--Blast
5. Ivy--Thermal
Radiation

J-15206

WD-Family

Secret

(cont'd on card 2)

6. Ivy--Transit Time
7. King--"Alpha"
Measurement
8. King Burst --Diagnostic
Experiments
9. King Burst --Diagnostic
Experiments
10. King Burst-- Blast
11. King Burst --Thermal
Radiation
12. King Burst--Transit
Time
13. Mike Burst--"Alpha"
Measurement

J-15206

WD-Family

Secret

JUN 16 1994

14. Mike Burst--Diagnostic Experiments
15. Mike Burst--Effects Experiments
16. Mike Burst--Blast
17. Mike Burst-- Thermal Radiation

J-16561 (Report: SECRET) (Card: CONFIDENTIAL RD)

Edgerton, Gerneshausen & Grier, Inc.
[TIME SIGNALS FROM EDGERTON, GERMESHAUSEN
& GRIER SEQUENCE TIMER ON THE MIKE
AND KING BURSTS.]
n.d. 48p.

1. Mike Burst--
Diagnostic Experiments
2. King Burst--
Diagnostic Experiments
- I. Edgerton,
Gerneshausen
& Grier,
Inc.
- II. Los Alamos
Scientific Lab.

NRL-3990

Naval Research Laboratory
Monthly progress report for
the period from 10 March to 10
April 1952.
E. H. Krause April 18, 1952
13 pp

Secret

NRL-3990
Naval Research
Lab.
Krause, E H
1. Ivy--
Instrument-
ation
2. Mike Burst--
✓Diagnostic Experiments

NRL-4154

Secret

JUN 16 1994

Naval Research Laboratory
Ivy diagnostic experiments.
Volume III: Experiments,
results and analysis Mike,
Part II.
E.H. Krause June 1953 160p.

NRL-4154
Naval Research Lab.
Krause, E H
1. Ivy
2. Mike Burst--
Diagnostic
Experiments

NRL-LA-3

WD-Family

Secret

Naval Research Laboratory
(IvyData.)
E.H. Krause December 19, 1952
17 pp

NRL-LA-3
Naval Research Lab.
Krause, E H
1. Ganex
2. Tenex
3. Mike Burst--
Diagnostic Experi-
ments
4. Neutrons--Detection
& Measurements
5. Thermonuclear
Diagnostic Experi-
ments

(Cont'd on card 2)

NRL-LA-3

²
WD-Family

Secret

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SECRET

NRL-RD-234

Naval Research Laboratory
Ivy diagnostic experiments.
Mike - Volume I. (Working
Paper).

n.d. 276p.

Secret

NRL-RD-234

Naval Research Lab.

1. Ivy--Diagnostic
Experiments
2. Mike Burst--
Diagnostic
Experiments
3. Mike Burst--"Alpha"
Measurements
4. Mike Burst--
Gamma Reactions

J-15206

WD-Family

Joint Task Force 132

Report of the Commander, Task
Group 132.1 on Operation Ivy.
Part II - Summary of experimental
programs.

n. d. 17 pp

(Cont'd on card 2)

Secret

J-15206

Joint Task Force
132

1. Ivy--"Alpha"
Measurement
2. Ivy--Diagnostic
Experiments
3. Ivy--Effects
Experiments
4. Ivy--Blast
5. Ivy--Thermal
Radiation

J-15206

WD-Family

Secret

6. Ivy--Transit Time
7. King--"Alpha"
Measurement
8. King Burst --Diagnostic
Experiments
9. King Burst --Diagnostic
Experiments
10. King Burst-- Blast
11. King Burst --Thermal
Radiation
12. King Burst--Transit
Time
13. Mike Burst--"Alpha"
Measurement

(cont'd on card 2)

SEP 8 1994

J-15206

WD-Family

Secret

14. Mike Burst--Diagnostic Experiments
15. Mike Burst--Effects Experiments
16. Mike Burst--Blast
17. Mike Burst-- Thermal Radiation

C3-36417

Secret

Air Research and Development
Command
Radioactive fall-out from
atomic bombs.
N.M. Lulejian Nov. 1953 70p.

C3-36417
Air Research &
Development
Command
Lulejian, N M
1. Tumbler
Snapper--
Fall Out
2. Upshot-Knothole
--Fall Out
3. Mike--Fall Out
4. Fall Out

CRLR-112

Secret

Chemical & Radiological Labs.
Fall-out studies on Eniwetok
Atoll. Special report.
Bouton and Wilsey 2 March 1953
39 pp

Wilsey,
Edward F.

CRLR-112
Chemical &
Radiologi-
cal Labs.
Bouton, Edward F
1. Eniwetok
2. Mike Burst--
Fall Out
3. King Burst--
Fall Out
4. Ivy

JUN 16 1994

NYO-4555

Secret

Weather Bureau

A meteorological analysis of the
transport of debris from Operation
Ivy.

L.F. Hubert, et al Oct. 30, 1953
155p.

NYO-4555

Weather Bureau
Hubert, Lester F

Machta, Lester
List, Robert J

1. Ivy
2. Mike Burst--
Fall Out
3. King Burst--
Fall Out

NYO-4571

Secret

New York Operations Office
Project Sunshine progress
from September 1953 to
January 4, 1954.

January 8, 1954 92p.

NYO-4571

New York Operations
Office

1. Fall Out
2. Mike Burst--
Fall Out
3. Strontium
Isotopes

RM-1175-AEC

Secret

Rand Corporation

Rand Sunshine Project Conference
December 16, 17, 18, 1953 at
Santa Monica, California.
Dec. 30, 1953 36p.

Sent on loan basis

RM-1175-AEC

Rand Corp.

1. Sunshine
2. Mike Burst--
Fall Out
3. Castle
4. Fall Out
5. Long Range
Detection
6. Radio Chemical
Detection
(Weapon)

RM-1177

~~SECRET~~

Rand Corporation
Residual gamma radiation
from surface nuclear
explosions.
F.J. Krieger 7 Jan. 1954
5p. 3 fig.

Secret

JUN 16 1994

RM-1177
Rand Corp.
Krieger, F J
1. Mike Burst
--Fall Out
2. Mike Burst--
Gamma Radiation
3. Jangle S Burst
--Fall Out
4. Jangle S Burst
--Gamma Radiation

USNRDL-408

Naval Radiological Defense Lab.
The nature of individual radio-
active particles. II. Fall-out
particles from M-Shot. Operation
Ivy.
C.E. Adams 1 July 1953 21p.

Secret

USNRDL-408
Naval Radiological
Defense Lab.
Adams, C E
1. Fall Out
2. Ivy
3. Mike Burst--
Fall Out

NRL-RD-234

Naval Research Laboratory
Ivy diagnostic experiments.
Mike - Volume I. (Working
Paper).
n.d. 276p.

Secret

NRL-RD-234
Naval Research Lab.
1. Ivy--Diagnostic
Experiments
2. Mike Burst--
Diagnostic
Experiments
3. Mike Burst--"Alp"
Measurements
4. Mike Burst--
Gamma Reactions

JUN 10 1954

WT-647 (Report: SECRET)

Air Force, Wash., D.C.
DISPERSION OF GASEOUS DEBRIS
FROM NUCLEAR EXPLOSIONS.
OPERATION IVY--PROJECT 7.5.
Philip W. Allen. March 3, 1958. 27p.

1. Ivy. Project 7.5
2. Mike Burst--
Fall-Out
3. King Burst--
Fall-Out
- I. Personal Author
- II. Corp. Author

N6

NRL-RD-234

Naval Research Laboratory
Ivy diagnostic experiments.
Mike - Volume I. (Working
Paper).
n.d. 276p.

Secret

- NRL-RD-234
Naval Research Lab.
1. Ivy--Diagnostic
Experiments
 2. Mike Burst--
Diagnostic
Experiments
 3. Mike Burst--"Alpha
Measurements
 4. Mike Burst--
Gamma Reactions

J-15144

ND-Family

Joint Task Force 132
Report of the Commander, Task
Group 132.1 on Operation Ivy.
Part I - Detonations - 4
description of the devices tested.
n. d. 5 pp

(Cont'd on card 2)

Secret

- J-15144
Joint Task Force
132
1. Deuterium-
Tritium Therm-
onuclear
Gadgets
 2. Ivy
 3. King Burst--
Materials
 4. King Burst--
Yield

167

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JUN 16 1994

Secret

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TM-85

WD-Family

Secret

Los Alamos Scientific Laboratory
Preliminary analysis of radiochemical
data from Shot Mike.
Bethe and de Hoffmann Dec. 5, 1952
13 pp

TM-85
LASL
Bethe, Hans
de Hoffmann,
Frederic
1. Mike Burst
--Mathematical
Analysis--
2. Ivy--
Mathematical Analysis

EG&G-OUT-1653

SECRET

Edgerton, Germeshausen & Grier,
Inc.
PROGRESS REPORT FOR THE MONTH
OF JULY, 1954. CONTRACT NO.
AT(29-1)-1183.
30 July 1954 23p.

1. Castle--Photography
2. Mike Burst--
Photography
3. King Burst--
Photography
4. Yankee Burst--
Photography
5. Union Burst--
Photography
6. Romeo Burst--
Photography
7. Bravo Burst--
Photography

(Cont'd on card 2)

[REDACTED]

JUN 16 1994

8. Echo Burst—
Photography
9. Nectar Burst—
Photography
10. Koon Burst—
Photography
11. Ivy
12. Wigwam
- I. Edgerton,
Germeshausen &
Grier, Inc.

CRLR-105

Secret

Chemical & Radiological Labs.
Cloud sampling techniques using
snap samplers. Special report.
M.J. Schumchyk 16 Feb. 1953
21 pp

CRLR-105
Chemical &
Radiological
Labs.
Schumchyk,
Michael J.

(Cont'd on card
2)

1. Ivy
2. Mike Burst—
Radioautography
3. King Burst—
Radioauto-
graphy

CRLR-105

2

Secret

4. Mike Burst
--Sample
Collection
5. King Burst--
Sample Collect-
ion
6. Nuclear
Particles

J-15206

WD-Family

Secret

Joint Task Force 132

Report of the Commander, Task
Group 132.1 on Operation Ivy.
Part II - Summary of experimental
programs.

n. d. 17 pp

(Cont'd on card 2)

J-15206

Joint Task Force
132

1. Ivy--"Alpha"
Measurement
2. Ivy--Diagnostic
Experiments
3. Ivy--Effects
Experiments
4. Ivy--Blast
5. Ivy--Thermal
Radiation

J-15206

WD-Family

Secret

6. Ivy--Transit Time
7. King--"Alpha"
Measurement
8. King Burst --Diagnostic
Experiments
9. King Burst --Diagnostic
Experiments
10. King Burst-- Blast
11. King Burst --Thermal
Radiation
12. King Burst--Transit
Time
13. Mike Burst--"Alpha"
Measurement

(cont'd on card 2)

J-15206

WD-Family

Secret

14. Mike Burst--Diagnostic
Experiments
15. Mike Burst--Effects
Experiments
16. Mike Burst--Blast
17. Mike Burst-- Thermal
Radiation

EG & G-1082

Secret

JUN 16 1994

Edgerton, Germeshausen &
Grier, Inc.
Ivy fireball diameter-time
characteristics.
26 Feb. 1953 28 pp

EG&G-1082
Edgerton,
Germeshausen
& Grier, Inc.
EG&G OUT-1086
1. Ball of Fire
--Photographic
Analysis
2. King Burst
--Ball of
fire

(Cont'd on card 2)

EG&G-1082

2

Secret

3. Mike Burst
--Ball of
Fire
4. King Burst
--Yield
5. Mike Burst--Yield
6. Ivy--Ball
of Fire
7. Ivy--Yield

EG&G-1083

Secret

Edgerton, Germeshausen & Grier,
i Inc.
IVY - Project 3.1. Fireball
diameter - time characteristics.
Measurement and calculation sheets.
Feb. 26, 1953 58 pp

EG&G-1083
Edgerton,
Germeshausen
& Grier, Inc.
EG&G OUT-1087
1. Ball of Fire
--Photographic
Analysis
2. King Burst--
Ball of Fire

(cont'd on card 2)

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3. King Burst
—Yield
4. Mike Burst—
Ball of Fire
5. Mike Burst—
Yield
6. Ivy—Yield
7. Ivy —Ball of
Fire

EG&G-OUT-1517 Vol.2

Secret

Edgerton, Germeshausen & Grier, Inc.
Ivy film data sheet catalog. Mike
Shot. Volume 2 of 2 volumes.
24 February 1954 87p.

EG&G-OUT-1517,
Vol.2
Edgerton,
Germeshausen &
Grier, Inc.
1. Mike Burst—
Yield
2. Mike Burst—
Ball of Fire
3. Ivy

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WD-Family

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UCRL-50722 (Rpt: S-RD) Cd: UNCLASSIFIED
California. Univ., Livermore. Lawrence I. Author (1)
Radiation Lab. II. Corp. Auth.
DATA BOOK - TYG D EVENT OF OPERATION 1. Fig. Burst
BOWLINE (U). J. Ewing. July 25, 1969.
15p.

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UCRL-5969 (Report: SECRET) Card: CONFIDENTIAL RD

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TM-213 (Report: SECRET)

JUN 16 1994

Los Alamos Scientific Lab. T-Div.
REMARKS ON CACTUS-ELDER
DIAGNOSTICS. Ralph E. Williamson.
March 20, 1959. 11p.

1. Cactus Burst
2. Elder Burst
- I. ~~Personal Author~~
- II. Corp. Author

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EG&G-B-1828 (Report: CONFIDENTIAL)

Edgerton, Germeshausen & Grier, Inc.
FIREBALL YIELD CALCULATIONS.
HARDTACK - ELDER, PROJECT 15.1.
July 6, 1958. 35p.

1. Hardtack.
Project 15.1
2. Elder Burst--
~~Ball of Fire~~
- I. ~~Corp. Author~~

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ITR-1612-1 (Report: SECRET)

Ballistic Research Labs., Aberdeen
Proving Ground, Md.
AIR-BLAST PHENOMENA AND INSTRU-
MENTATION OF STRUCTURES. OPER-
ATION HARDTACK - PROJECT 1.7.
J.J. Meszaros, R.E. Reisler, E.G.
Schwartz, J.G. Schmidt, D.P. Le
Fevre, and R.C. Wise. Aug. 15, 1958.
160p.

1. Hardtack. Project 1.7
2. Cactus Burst
3. Koa Burst
4. Blast Waves
5. Structures--Effects of Blast
- I. Authors (6)
- II. Corp. Author

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ITR-1626-1 (Report: SECRET)

Naval Civil Engineering, Research and
Evaluation Lab., Port Hueneme, Calif.
RESPONSE OF EARTH-CONFINED FLEX-
IBLE-ARCH-SHELL STRUCTURES IN
HIGH-OVERPRESSURE REGION. OPER-
ATION HARDTACK - PRELIMINARY
REPORT, PROJECT 3.2. G. H. Albright,
P. J. Rush, J. C. LeDoux, V. True and
C. R. White. Sept. 5, 1958. 134p.

1. Hardtack. Project 3.2
2. Structures--Effects of Atomic Weapons
3. Koa Burst
4. Cactus Burst
- I. Authors (5)
- II. Corp. Author

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JUN 16 1994

WT-1614 (Report: SECRET)

Air Force Special Weapons Center,
Kirtland AFB, N. Mex. and Illinois.
Univ., Urbana.
LOADING ON BURIED SIMULATED
STRUCTURES IN HIGH-OVERPRESSURE
REGIONS. OPERATION HARDTACK-
PROJECT 1.9. E. H. Bultmann, Jr.,
G. F. McDonough and G. K. Sinnamon.
May 3, 1961. 64p.

1. Hardtack Project
1.9
 2. Cactus Burst
 3. Koa Burst
 4. Effects Experi-
ments
- I. Authors (3)
 - II. Corp. Authors (2)

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EG&G-L-350 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Las Vegas
ALPHA REQUIREMENTS FOR SHOT KOA
OF THE HARDTACK SERIES. February
28, 1958. 11p.

1. Koa Burst--
Instrumentation
- I. Corp. Author
- II. LV-03217

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ITR-1639 (Report: SECRET)

Army. Signal Research and Development
Lab., Fort Monmouth, N.J.
RADAR DETERMINATION OF FIREBALL
PHENOMENA. OPERATION HARDTACK
--PROJECT 6.5. E. Baker, T. Viars,
A. K. Harris, and I. A. Balton.
October 14, 1958. 36p.

1. Hardtack.
Project 6.5
2. Butternut Burst--
Ball of Fire
3. Koa Burst--Ball
of Fire
4. Wahoo Burst--
Ball of Fire
5. Teak Burst--Ball
of Fire
- I. Authors (4)
- II. Corp.. Author

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JUN 6 1994

UCRL-5452 (Report: SECRET) Card: CONFIDENTIAL RD

California. Univ., Livermore. Lawrence
Radiation Lab.
WEAPON DEVELOPMENT DURING
DECEMBER 1958. NUMBER 54. Jan.
16, 1959. 34p.

1. Neutron Total
Cross Sections
 2. Squaw (Calculation)
 3. Hardtack--Yield
 4. Willow
 5. Jonah
 6. Davy Crockett
 7. Weapon 47
 8. Fir Burst
 9. Starling
 10. Nozzles
 11. Silicon Coatings--
Thermal Properties
 12. Graphite--Coating
 1. Corp. Author
- N13

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JUN 16 1994

BID-A322 LTD ACCESS
Bendix Corporation. Kansas City Division.
VISUAL RESPONSE INDICATOR FOR BAR CODE
READER INPUT. FINAL REPORT. J.R. Harte.
July 1982. 19p.

- CD: Unclass.
I. Auth.
II. Corp. Auth.
1. Optical Pattern
Recognition—
Equipment and
Supplies
2. Product coding
—Equipment and
Supplies
3. Bar Codes—
Equipment and
Supplies
4. Optical Scanners
5. CACTUS

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ITR-1612-1 (Report: SECRET)

Ballistic Research Labs., Aberdeen
Proving Ground, Md.
AIR-BLAST PHENOMENA AND INSTRU-
MENTATION OF STRUCTURES. OPER-
ATION HARDTACK - PROJECT 1.7.
J.J. Meszaros, R.E. Reisler, E.G.
Schwartz, J.G. Schmidt, D.P. Le
Fevre, and R.C. Wise. Aug. 15, 1958.
160p.

- I. Hardtack. Project
1.7
2. Cactus Burst
3. Koa Burst
4. Blast Waves
5. Structures--Effects
of Blast
I. Authors (6)
II. Corp. Author

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ITR-1626-1 (Report: SECRET)

Naval Civil Engineering, Research and Evaluation Lab., Port Hueneme, Calif.
RESPONSE OF EARTH-CONFINED FLEX-
IBLE-ARCH-SHELL STRUCTURES IN
HIGH-OVERPRESSURE REGION. OPER-
ATION HARDTACK - PRELIMINARY
REPORT, PROJECT 3.2. G. H. Albright,
P. J. Rush, J. C. LeDoux, V. True and
C. R. White. Sept. 5, 1958. 134p.

1. Hardtack.
Project 3.2
2. Structures--Effects
of Atomic Weapons
3. Koa Burst
4. Cactus Burst
- I. Authors (5)
- II. Corp. Author

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TM-213 (Report: SECRET)

Los Alamos Scientific Lab. T-Div.
REMARKS ON CACTUS-ELDER
DIAGNOSTICS. Ralph E. Williamson.
March 20, 1959. 11p.

1. Cactus Burst
2. Elder Burst
- I. Personal Author
- II. Corp. Author

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TWG-72-6 (Rpt.: S-RD)
Theoretical Weapons Group.
THEORETICAL WEAPONS GROUP MEETING
OF JUNE 22, 1972. Beverly A. Wellnitz.
and Robert N. Thorn. June 22, 1972.
16p.

Cd: UNCLASSIFIED
I. Auths. (2)
II. Corp. Auth.
1. Chessboard
2. COAX (Calculation)
3. AJO Burst
4. Zaza Burst
5. Cactus Burst
6. Tajique Burst

6-30-72

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WT-1614 (Report: SECRET)

Air Force Special Weapons Center,
Kirtland AFB, N. Mex. and Illinois.
Univ., Urbana.
LOADING ON BURIED SIMULATED
STRUCTURES IN HIGH-OVERPRESSURE
REGIONS. OPERATION HARDTACK-
PROJECT 1.9. E. H. Bultmann, Jr.,
G. F. McDonough and G. K. Sinnamon.
May 3, 1961. 64p.

1. Hardtack Project
1.9
2. Cactus Burst
3. Koa Burst
4. Effects Experiments
I. Authors (3)
II. Corp. Authors (2)

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LA-5591-SR (Rpt: S-FRD)
Los Alamos Scientific Lab., N. M.
FIREBALL RADIATION-HYDRODYNAMICS
COMPUTATIONS (U). STATUS REPORT. John
Zinn, John W. Kodis and Clair D.
Sutherland. May 1974. 21p.

Cd: Unclassified

- I. Auths. (3)
II. Corp. Auth.
1. Ball of Fire--
Calculations
2. Hydrodynamics--
Calculations
3. Computer
Programs--(R)--
Radflo
4. Tightrope
5. Yucca
6. Orange
7. Blue Gill
8. HA

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Title List:

SC-4088 (PR) (Report: SECRET) Card: CONFIDENTIAL RD

Sandia Corporation
MONTHLY REPORT. March, 1957. 64p.

1. TX-27 Weapon--
Development
2. Mark 28 Weapon--
Development
3. TX-28-X1 Weapon--
Development
4. Mark 15 Weapon--
Development
5. Firing Systems (WD)
6. Smoky Burst--
Preparation
7. Mark 25 Weapon--
Development
8. XW-31 Warhead
Installations

(Cont'd on card 2)

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SC-4088 (PR) (Report: SECRET) Card: CONFIDENTIAL RD
Card 2

9. Warhead XW-45--Development
10. Plumbbob
11. Hardtack
12. Doorknob
13. Pandora
14. Canals
15. Storms--Effects of Atomic Weapons
I. Corp. Author

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EG&G-B-1754 (Report: SECRET) Card: UNCLASSIFIED

JUN 16 1994

Edgerton, Germeshausen & Grier, Inc.,
Boston
PROGRESS REPORT FOR THE MONTH
OF APRIL 1958. 15p.

1. Spark Gaps
2. Yucca Burst--
Photography
- I. Corp. Author
- II. EG&G Control No.
1192

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EG&G-L-369 (Report: CONFIDENTIAL)

Edgerton, Germeshausen & Grier, Inc.,
Las Vegas
PROGRAM 9: AFSWP-DOD PHOTO-
GRAPHY, FILM CATALOG AND
CAMERA DATA, OPERATION HARD-
TACK, PHASE I. October 15, 1958.
111p.

- I. Corp. Author
- II. L-369

1. Yucca Burst--
Photography
 2. Wahoo Burst--
Photography
 3. Umbrella Burst--
Photography
 4. Teak Burst--
Photography
 5. Orange Burst--
Photography
 6. Fig Burst--
Photography
 7. Hardtack--
Photography
- N10

EGG-1800 (Rpt:Secret/RD)
EG & G, Inc.
HARDTACK-YUCCA, PROJECT 8.3, EARLY FIREBALL
PHOTOGRAPHY. May 1958. 48 p. (JHH-76-447)
(ACV:GMS:196) (E-0125) (A-88-004)

Cd:Unclassified

- I. Corp. Auth.
- II. JHH-76-447
- III. ADV:GMS:196
- IV. E-0125
- V. A-88-004
1. Yucca burst--
Photography
2. Ball of fire--
Photography

2-7-92
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SEE MASTER SHEET FOR ACCOUNTABILITY RECORD

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JUN 16 1994

DASA-DC-Review-62-3 (Report: SECRET) Cd: UNCLASSIFIED

General Electric Co., Santa Barbara,
Calif. Technical Military Planning
Operation and Defense Atomic Support
Agency, Data Center, Santa Barbara,
Calif.

HIGH ALTITUDE NUCLEAR EFFECTS.
DASA DATA CENTER REVIEW 62-3.
June, 1962. 60p.

I. Corp. Authors (2)

1. Beta Beta
2. Blue Gill Burst
3. Ionization--Detec-
tion & Measurement
4. Yucca Burst--
Radiation
5. Radio Waves--
Effects of Atomic
Explosions
6. Radiation-Detec-
tion & Measure-
ments

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FWC-M-145 (Report: SECRET) Card: UNCLASSIFIED

Fission Weapon Committee
MINUTES OF THE 145TH MEETING,
OCTOBER 3, 1958. George H. Best.
October 13, 1958. 4p.

1. Colfax Test
2. Lea Burst
3. Dona Ana Burst
4. Hidalgo Test
5. Rio Arriba Burst
6. Kepler Burst
7. Galileo Burst
8. Blackfoot Burst
9. Huron Burst
10. Sequoia Burst
11. Mora Burst
12. Hardtack-Phase II
 - I. Personal Author
 - II. Corp. Author
 - III. GMX-1569

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JUN 16 1994

SWDB-56-102-2 (Report: SECRET) Card: CONFIDENTIAL RD

Sandia Corp. Special Weapons
Development Board.
MINUTES OF THE 102ND MEETING,
AUGUST 29, 1956. PART TWO.
August 29, 1956. 18p.

1. Redwing
2. Navaho Burst
3. Huron Burst
4. ~~Mohawk Burst~~
5. Apache Burst
6. Tewa Burst
7. Vulnerability Studies
8. Storage Hazards
9. Totem Pole
- I. Corporate Author
- II. Q-60869

EG&G-PPG-2400 H (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen and Grier,
Inc.
PRELIMINARY ALPHA - SHOT HURON.
K. L. Jordan. July 24, 1956. 38p.

1. Huron Burst--
"Alpha"
2. "Alpha" Measure-
ments
- I. Personal Author
- II. Corp. Author

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EG&G-1583 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier,
Inc., Boston
RAPATRONIG PHOTOGRAPHY OF
THE FIREBALL, REDWING, 1956.
March 15, 1957. 20p.

8. Apache Burst--Ball of Fire
9. Huron Burst--Ball of Fire
- I. Corp. Author
- II. EG&G Control No. 451

1. Lacrosse Burst
--Ball of Fire
2. Yuma Burst--
Ball of Fire
3. Erie Burst--
Ball of Fire
4. Blackfoot Burst--
Ball of Fire
5. Kickapoo Burst--
Ball of Fire
6. Osage Burst--
Ball of Fire
7. Mohawk Burst--
Ball of Fire

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EG&G-PPG-2400 I (Report: SECRET) Cd: UNCLASSIFIED

Edgerton, Germeshausen and Grier, Inc.,
Boston, Mass.

PRELIMINARY ALPHA - SHOT TEWA.

D. Berkowitz. July 24, 1956. 19p.

1. Redwing
2. Tewa Burst
- I. Personal Author
- II. Corp. Author
- III. PPG-2400 I

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LA-412-56-4

EG&G-LAD-111 (Report: SECRET-RD) Cd: Uncl.
Edgerton, Germeshausen and Grier Inc.,
Los Alamos, New Mexico.
REVIEW OF HIGH SPEED PHOTOGRAPHIC RECORDS
(U) QUARTERLY PROGRESS REPORT, 1 JANUARY-
31 MARCH 1971. May 10, 1971. 65p.
(EG&G-LAD-442)

- I. Corp. Auth.
- II. EG&G-LAD-442
- 1. Priscilla Burst
- 2. Hood Burst
- 3. Navajo Burst
- 4. Flathead Burst
- 5. Truckee Burst

3 Navajo Burst

4-13-72

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EGG-10282-5006 (Rpt:Secret/RD)
EG & G, Inc. Energy Measurements Group.
RADIOMETRIC REDUCTION DATA FROM TUMBLER-
SNAPPER EVENTS III AND IV (U). L. Rauber
and D. Wright. Jan. 1988. 188 p. (WAD-700)

- Cd:Unclassified
- I. Corp. Auth.
- II. Auth. (2)
- III. WAD-700
- 1. Tumbler-Snapper
Burst 3--Ball
of Fire
- 2. Tumbler-Snapper
Burst 4--Ball
of Fire
- 3. Redwing--Ball
of Fire
- 4. Navajo Burst--
Analysis
- 5. Flathead Burst--
Analysis

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FILM-Y-54 (Film: SECRET-RD) Cd: Unclass.
Los Alamos Scientific Lab., N. Mex.
NAVAJO SHOT. [1956]. Black & White,
Sd., 10 minutes, 16mm.

1. Corp. Auth.
1. Navajo Burst

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print #2

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LA-5995-PR (Rpt: S-RD)
Los Alamos Scientific Lab., NM.
IASL WEAPONS QUARTERLY (U). FOR THE
PERIOD ENDING MARCH 31, 1975. Leslie
M. Redman, Comp. and Earleen Eden, Ed.
May 1975. 88p.

15. Popcorn
16. Laser Isotope Separation
17. Gallium-Plutonium Alloys
18. Electron Beam Welding
19. Tungsten Alloys--Mechanical
Properties
20. Gas Lasers
21. Lasers
22. Neodymium Laser Systems

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- Cd: C-RD
- I. Authors (2)
 - II. Corp. Auth.
 1. Sapello
 2. BMP Generators
 3. Computer Programs
(G)--GUANO
 4. Computer Programs
(R)--RUDI
 5. Computer Programs
(M)--MAGEE
 6. Pratt
 7. Ball of Fire--
Calculations
 8. Flathead
 9. Navajo Burst
 10. Ozone
 11. Stratosphere
 12. Tordo
 13. Barium
 14. Water Waves

75 0017340

LA-5995-PR (Rpt: S-RD)

Cd: C-RD

23. Laser Targets
24. Laser Driven Fusion
25. Isotope Separation
Methods
26. MRR
27. B61
28. Weapon 76
29. Re-Entry Vehicles
(4)
30. Bilge
31. Weapon 78
32. Re-Entry Vehicles
(12)
33. Topgallant
34. Americium Isotopes
Am-241

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LA-8391-MS (Rpt: Secret/RD)
Los Alamos Scientific Lab., NM.
CHEMISTRY OF A NUCLEAR FIREBALL (U). John
Zinn, C.D. Sutherland, H. Hoerlin, D. Wilson
and K. Mitchell. June 1980. 32p.

- JUN 16 1992
- I. Authors (5)
 - II. Corn. Auth.
 1. Fireball
(Calculations)
 2. Navajo Burst
 3. Ball of Fire
--Thermal
Radiation

7-24-80

c.19A thru 60A

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EG&G-Tech. Memo. B-28 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.
Boston.
COMPARISON OF FIELD AND FINAL
ALPHA VALUES, OPERATION REDWING.
TECHNICAL MEMORANDUM NO. B-28.
April 10, 1957. 11p.

8. Flathead Burst--"Alpha"
- I. Corp. Author
- II. EG&G OUT 0482

1. Lacrosse Burst
--"Alpha"
2. Erie Burst
--"Alpha"
3. Blackfoot Burst
--"Alpha"
4. Osage Burst
--"Alpha"
5. Dakota Burst
--"Alpha"
6. Navajo Burst
--"Alpha"
7. Apache Burst
--"Alpha"

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LA-58-57-7

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JUN 16 1994

EGG-LAD-119 (Report: SECRET-RD) Cd: Uncl.
Edgerton, Germeshausen and Grier, Inc.,
Los Alamos, New Mexico.
REVIEW OF HIGH SPEED PHOTOGRAPHIC RECORDS
(U) FINAL REPORT 1 OCTOBER 1970 THROUGH
30 SEPTEMBER 1971. 122p. (LAD-522)

1-26-72

9. Priscilla Burst--
Photography
10. Flat Head Burst--
Photography
11. Plumbbub--Photography
12. Tumbler-Snapper--
Photography

Rec'd:

Copies: 115

- I. Corp. Auth.
- II. LAD-522
1. Atomic
Explosions--
Detection
2. Hood Burst--
Photography
3. Dakota Burst--
Photography
4. Wilson Burst--
Photography
5. Navajo Burst--
Photography
6. Union Burst--
Photography
7. Nectar Burst--
Photography
8. Owens Burst--
Photography

EG&G-LAD-152 (Rpt: S-RD)
EG&G Inc., Los Alamos, N. Mex.
A REVIEW OF HIGH SPEED PHOTOGRAPHIC DATA
PROPOSED PROGRAM CONTINUATION (U). 1
JULY 1973 THROUGH 30 JUNE 1976. Donald
D. Cobb. 14p.

Submitted to: Headquarters United States
Air Force, Air Force Technical
Applications Center, Washington, D.C.

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- I. Author (1)
- II. Corp. Auth.
1. Boltzman Burst--
Photography
2. Dakota Burst--
Photography
3. Truckee Burst--
Photography
4. Navajo Burst--
Photography
5. Union Burst--
Photography
6. Nectar Burst--
Photography

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JO-265 (Report: SECRET) Card: CONFIDENTIAL RD

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EG&G-1499 (Report: SECRET) Card: CONFIDENTIAL RD

Edgerton, Germeshausen & Grier, Inc.,
Boston
PROGRESS FOR THE MONTH OF JULY, 1956.
July 31, 1956. 23p.

9. Apache Burst—"Alpha"
10. Navajo Burst—"Alpha"
11. Time Interval (TN)—Measurement
- I. Corporate Author
- II. EG&G Control No. 00176

1. Pilgrim—
Preparation
2. Spark Gaps
3. Redwing
4. Mohawk Burst—
Ball of Fire
5. Apache Burst—
Ball of Fire
6. Navajo Burst—
Ball of Fire
7. Tewa Burst—
Ball of Fire
8. Huron Burst—
Ball of Fire

JUN 16 1994

EG&G-1583 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier,
Inc., Boston
RAPATRONIC PHOTOGRAPHY OF
THE FIREBALL, REDWING, 1956.
March 15, 1957. 20p.

- 8. Apache Burst--Ball of Fire
- 9. Huron Burst--Ball of Fire
- I. Corp. Author
- II. EG&G Control No. 451

- 1. Lacrosse Burst
--Ball of Fire
- 2. Yuma Burst--
Ball of Fire
- 3. Erie Burst--
Ball of Fire
- 4. Blackfoot Burst--
Ball of Fire
- 5. Kickapoo Burst--
Ball of Fire
- 6. Osage Burst--
Ball of Fire
- 7. Mohawk Burst--
Ball of Fire

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EG&G-Tech. Memo. B-30 (Report: CONFIDENTIAL)

Edgerton, Germeshausen & Grier, Inc.
Boston.
TEAPOT APPLE AND REDWING
MOHAWK FIREBALL ASYMMETRIES
AND JETS. E. Patricia O'Connell.
April 17, 1957. 24p.

- 1. Apple Burst
--Ball of Fire
- 2. Mohawk Burst
--Ball of Fire
- I. Personal Author
- II. Corp. Author
- III. EG&G Control
00495

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EG&G-OUT-1666

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Edgerton, Germeshausen & Grier, Inc.
ILLUSTRATIONS OF THE SHAPE OF
THE RADIATING FIREBALL.

25 October 1954 5p.

1. King Burst--
Ball of Fire
2. Union Burst--
Ball of Fire
3. Mike Burst--
Ball of Fire
4. Romeo Burst--
Ball of Fire
5. Bravo Burst--
Ball of Fire
- I. Edgerton,
Germeshausen &
Grier, Inc.

II. EG&G-1163

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Illinois Inst. of Tech.
Armour Research Foundation
"PETROGRAPHIC STUDIES OF DEBRIS
CARRIER PARTICLES, CONTRACT AF
33(600) 23112, PHASE REPORT
"FRACTIONATION EXPERIMENTS
ON PARTICULATE DEBRIS".
Feb. 10, 1955 5p.

1. Airborne Particulate
Matter--Fractiona-
tion
2. Bravo--Fall-Out
- I. Ill. Inst. of
Tech. Armour
Research Foundation
- II. I-2344-1/4
- III. C 049

RM-1855 (Report: SECRET) Card: UNCLASSIFIED

Rand Corporation
FALLOUT COMPUTATIONS AND
CASTLE-BRAVO - A CASE STUDY.
RESEARCH MEMO. S. M. Greenfield
and R. R. Rapp. January 16, 1957. 80p.

1. Bravo Burst--
Fall-Out
2. Fall-Out--
Calculations
- I. Authors (2)
- II. Corp. Author

N6

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Tech. Memo. 77-56-51 (Report: SECRET) Cd: OFFICIAL USE ONLY

Sandia Corporation
RADIOACTIVE-PARTICLE INHALATION HAZARD
AT TEST SITES.
Cowan, Maynard Jr. March 20, 1956
7p.

(Med. Lib.)

1. Test Sites--
Contamination
2. Tesla Burst--
Fission
Products
3. Bravo Burst--
Fission
Products
- I. Cowan, Maynard
Jr.
- II. Sandia Corp.
- III. Q-57470
- IV. Case 407.09

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EG&G-1478 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston
PROGRESS FOR THE MONTH OF MAY, 1956.
May 31, 1956 16p.

1. Lacrosse Burst
2. Cherokee Burst
3. Zuni Burst
4. Yuma Burst
5. Erie Burst
6. Spark Gaps—
Development
- I. Edgerton,
Germeshausen &
Grier, Inc.,
Boston
- II. EG&G Control No.
00023

III. Contract AT(29-1)-1183

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EG&G-Tech. Memo. B-28 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.
Boston.

COMPARISON OF FIELD AND FINAL
ALPHA VALUES, OPERATION REDWING.
TECHNICAL MEMORANDUM NO. B-28.

April 10, 1957. 11p.

8. Flathead Burst--"Alpha"
- I. Corp. Author
- II. EG&G OUT 0482

1. Lacrosse Burst
--"Alpha"
2. Erie Burst
--"Alpha"
3. Blackfoot Burst
--"Alpha"
4. Osage Burst
--"Alpha"
5. Dakota Burst
--"Alpha"
6. Navajo Burst
--"Alpha"
7. Apache Burst
--"Alpha"

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EG&G-1583 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier,
Inc., Boston

RAPATRONIC PHOTOGRAPHY OF
THE FIREBALL, REDWING, 1956.

March 15, 1957. 20p.

8. Apache Burst--Ball of Fire
9. Huron Burst--Ball of Fire
- I. Corp. Author
- II. EG&G Control No. 451

1. Lacrosse Burst
--Ball of Fire
2. Yuma Burst--
Ball of Fire
3. Erie Burst--
Ball of Fire
4. Blackfoot Burst--
Ball of Fire
5. Kickapoo Burst--
Ball of Fire
6. Osage Burst--
Ball of Fire
7. Mohawk Burst--
Ball of Fire

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FWC-M129 (Report: SECRET) Card: UNCLASSIFIED)

Los Alamos Scientific Laboratory.
Fission Weapon Committee.
MINUTES OF THE 129TH MEETING,
26 AUGUST 1957. George H. Best.
September 3, 1957. 4p.

1. Pascal Test B--
Calculations
 2. Kepler Burst--
Yield
 3. Galileo Burst
 4. Newton Burst
 5. Viper 3
 6. Lacrosse Burst--
Yield
 7. Priscilla Burst--
Yield
 - I. Personal Author
 - II. Corp. Author
 - III. GMX-1391
- N11

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LA-413-56-4

EG&G-LAO-198 (Report: S-RD)
Edgerton, Germeshausen and Grier, Inc.,
Los Alamos, New Mexico
REVIEW PROGRAM, PROJECT T/4210
QUARTERLY PROGRESS SUMMARY (U) 1
OCTOBER THROUGH 31 DECEMBER 1974.
James A. Michael. December 1974. 11p.
(EG&G-LAD-8389)

12-24-74

Cd: S-NSI Set-1A

- I. Auth.
- II. Corp. Auth.
- III. EG&G-LAD-8389
1. Dakota
2. French Atomic Explosions
3. Flathead
4. Hood
5. Chama
6. Yaso
7. Bighorn
8. Teller Light

LA-2-75-12 & Master

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FILM-Y-53 (Film: SECRET-RD) Cd: UNCLASSIFIED
Los Alamos Scientific Lab., N. Mex.
DAKOTA. n.d. 8 min., sd., b7w, 16 mm.

- I. Corp. Auth.
1. Dakota Burst

8-3-67

N4

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204

Title List:

LA-4884-PR (Rpt.: S-RD)
Los Alamos Scientific Lab., N. Mex.
RESEARCH ON NUCLEAR WEAPONS PHENOMENOLOGY,
FOR THE PERIOD ENDING DECEMBER 31, 1971.
QUARTERLY SUMMARY (U). Donald M. Kerr
and H. Milton Peek. February 1972. 56p.

11. Star Fish Burst

3-1-72

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CD: UNCLASSIFIED
I. Authors (2)
II. Corp. Auth.
1. Diagonal Line
Burst
2. Ball of Fire--
Calculations
3. Radflo
(Calculation)
4. Encino Burst
5. Dakota Burst
6. French Atomic
Explosions
7. Barbizon
8. Fluorescence
9. Sierra
(Calculation)
10. King Fish Burst

JUN 16 1994

Title List:

LA-5843-PR (Report: S-RD)
Los Alamos Scientific Lab., New Mexico.
ANNUAL REPORT ON RADIATION CHARACTERIZA-
TION PROGRAM, FY 1974 (U). William E.
Freag and Robert M. Henson. April 1975.
10p.

4-4-75

LA-5-75-12 & Master

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Title List:

CD: SRSI Set 1A
I. Authors (2)
II. Corp. Auth.
1. French Atomic
Explosives--
Detection &
Measurement
2. Atomic Explosions
--Prompt Radiation
3. Atomic Explosions
--Neutron Emissions
4. Atomic Explosion
--Gamma Radiation
5. Flathead Burst
6. Dakota Burst
7. Hula Hoop
8. Dice Game

LA-AC-84-2 (Secret/RD)
Los Alamos Scientific Laboratory.
DAKOTA. Audio Cassette. n.d.
1 cassette tape. Soundtrack.

CD: Unclass.
I. Corp. Auth.
II. FILM-Y-53
1. Dakota burst

4-4-84
NWN

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JUN 16 1956

Edgerton, Germeshausen & Grier, Inc.
PROGRESS FOR THE MONTH OF JUNE 1956.
June 30, 1956 18p.

1. Erie Burst—
"Alpha"
2. Blackfoot Burst
—"Alpha"
3. Osage Burst
—"Alpha"
4. Dakota Burst
—"Alpha"
5. Seminole Burst
—Ball of Fire
6. Flathead Burst
—Ball of Fire
7. Blackfoot Burst
—Ball of Fire

(Cont'd. on Card 2)

EG&G-1489 (Report: SECRET) Card: CONFIDENTIAL RD CARD 2

8. Kickapoo Burst—Ball of Fire
9. Osage Burst—Ball of Fire
10. Inca Burst—Ball of Fire
11. Dakota Burst—Ball of Fire
12. Spark Gaps—Development
- I. Edgerton, Germeshausen & Grier, Inc.
- II. EG&G-Control 00101

EG&G-Tech. Memo. B-28 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.
Boston.
COMPARISON OF FIELD AND FINAL
ALPHA VALUES, OPERATION REDWING.
TECHNICAL MEMORANDUM NO. B-28.
April 10, 1957. 11p.

8. Flathead Burst—"Alpha"
- I. Corp. Author
- II. EG&G OUT 0482

1. Lacrosse Burst
--"Alpha"
2. Erie Burst
--"Alpha"
3. Blackfoot Burst
--"Alpha"
4. Osage Burst
--"Alpha"
5. Dakota Burst
--"Alpha"
6. Navajo Burst
--"Alpha"
7. Apache Burst
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(Cont'd. on Card 2)

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8. Kickapoo Burst--Ball of Fire
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12. Spark Gaps--Development
- I. Edgerton, Germeshausen & Grier, Inc.
- II. EG&G-Control 00101

EGG-LAD-119 (Report: SECRET-RD) Cd: Uncl.
Edgerton, Germeshausen and Grier, Inc.,
Los Alamos, New Mexico.
REVIEW OF HIGH SPEED PHOTOGRAPHIC RECORDS
(U) FINAL REPORT 1 OCTOBER 1970 THROUGH
30 SEPTEMBER 1971. 122p. (LAD-522)

1-26-72

9. Priscilla Burst--
Photography
10. Flat Head Burst--
Photography
11. Plumbbub--Photography
12. Tumbler-Snapper--
Photography

- I. Corp. Auth.
- II. LAD-522
1. Atomic
Explosions--
Detection
2. Hood Burst--
Photography
3. Dakota Burst--
Photography
4. Wilson Burst--
Photography
5. Navajo Burst--
Photography
6. Union Burst--
Photography
7. Nectar Burst--
Photography
8. Owens Burst--
Photography

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EG&G-IAD-152 (Rpt: S-RD)
EG&G Inc., Los Alamos, N. Mex.
A REVIEW OF HIGH SPEED PHOTOGRAPHIC DATA
PROPOSED PROGRAM CONTINUATION (U). 1
JULY 1973 THROUGH 30 JUNE 1976. Donald
D. Cobb. 14p.

Submitted to: Headquarters United States
Air Force, Air Force Technical
Applications Center, Washington, D.C.

3-7-73

Rec'd:

Copies:

Cd. Unclass.

- I. Author (1)
- II. Corp. Auth.
 1. Boltzman Burst--
Photography
 2. Dakota Burst--
Photography
 3. Truckee Burst--
Photography
 4. Navajo Burst--
Photography
 5. Union Burst--
Photography
 6. Nectar Burst--
Photography

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JO-267 (Report: SECRET) Card: CONFIDENTIAL RD

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PROGRESS FOR THE MONTH OF JUNE 1956.
June 30, 1956 18p.

1. Erie Burst—
"Alpha"
2. Blackfoot Burst
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5. Seminole Burst
—Ball of Fire
6. Flathead Burst
—Ball of Fire
7. Blackfoot Burst
—Ball of Fire

(Cont'd. on Card 2)

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EG&G-1489 (Report: SECRET) Card: CONFIDENTIAL RD CARD 2

8. Kickapoo Burst—Ball of Fire
9. Osage Burst—Ball of Fire
10. Inca Burst—Ball of Fire
11. Dakota Burst—Ball of Fire
12. Spark Gaps—Development
- I. Edgerton, Germeshausen & Grier, Inc.
- II. EG&G-Control 00101

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PROGRESS FOR THE MONTH OF JUNE 1956.
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(Cont'd. on Card 2)

EG&G-1489 (Report: SECRET) Card: CONFIDENTIAL RD CARD 2

8. Kickapoo Burst—Ball of Fire
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11. Dakota Burst—Ball of Fire
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- I. Edgerton, Germeshausen & Grier, Inc.
- II. EG&G-Control 00101

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EG&G-Tech. Memo. B-28 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.
Boston.

COMPARISON OF FIELD AND FINAL
ALPHA VALUES, OPERATION REDWING.
TECHNICAL MEMORANDUM NO. B-28.
April 10, 1957. 11p.

8. Flathead Burst--"Alpha"
- I. Corp. Author
- II. EG&G OUT 0482

1. Lacrosse Burst
--"Alpha"
2. Erie Burst
--"Alpha"
3. Blackfoot Burst
--"Alpha"
4. Osage Burst
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5. Dakota Burst
--"Alpha"
6. Navajo Burst
--"Alpha"
7. Apache Burst
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Edgerton, Germeshausen & Grier,
Inc., Boston
RAPATRONIC PHOTOGRAPHY OF
THE FIREBALL, REDWING, 1956.
March 15, 1957. 20p.

8. Apache Burst--Ball of Fire
9. Huron Burst--Ball of Fire
- I. Corp. Author
- II. EG&G Control No. 451

1. Lacrosse Burst
--Ball of Fire
2. Yuma Burst--
Ball of Fire
3. Erie Burst--
Ball of Fire
4. Blackfoot Burst--
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5. Kickapoo Burst--
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EG&G-1489 (Report: SECRET) Card: CONFIDENTIAL RD CARD 2

8. Kickapoo Burst--Ball of Fire
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Ball of Fire
3. Erie Burst--
Ball of Fire
4. Blackfoot Burst--
Ball of Fire
5. Kickapoo Burst--
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6. Osage Burst--
Ball of Fire
7. Mohawk Burst--
Ball of Fire

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FILM-Y-55 (Film: SECRET-RD) Cd: Unclass.
Los Alamos Scientific Lab., N. Mex. I. Corp. Auth.
BLACKFOOT HURON. [1956]. Black & White, 1. Blackfoot Burst
sd., 13 min., 16mm.

7-13-70

print #2

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Fission Weapon Committee
MINUTES OF THE 145TH MEETING
OCTOBER 3, 1958. George H. Best
October 13, 1958. 4p.

1. Colfax Test
 2. Lea Burst
 3. Dona Ana Burst
 4. Hidalgo Test
 5. Rio Arriba Burst
 6. Kepler Burst
 7. Galileo Burst
 8. Blackfoot Burst
 9. Huron Burst
 10. Sequoia Burst
 11. Mora Burst
 12. Hardtack-Phase II
 - I. Personal Author
 - II. Corp. Author
 - III. GMX-1569
- N16

LA-AC-56-6 (Secret/RD)
Los Alamos Scientific Laboratory.
BLACKFOOT HURON. Audio Cassette.
[1956] 1 cassette tape. Soundtrack.

- CD: Unclass.
- I. Corp. Auth.
 - II. FILM-Y-55
 1. Blackfoot burst

5-1-84
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EG&G-1447 (Rpt: SECRET) Cd: CONFIDENTIAL

Edgerton, Germeshausen & Grier, Inc.
Boston.
PROGRESS FOR THE MONTH OF FEBRUARY,
1956.

February 29, 1956 20p.

- II. EG&G-OUT-1975
- III. Contract AT(29-1)-1183

1. Redwing—
Instrumentation
2. Lacrosse Burst
—"Alpha"
3. Erie Burst
—"Alpha"
4. Blackfoot
Burst—"Alpha"
5. Osage Burst
—"Alpha"
6. Spark Gaps
- I. Edgerton, Germe-
hausen & Grier,
Inc., Boston

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PROGRESS FOR THE MONTH OF JUNE 1956
June 30, 1956 18p.

1. Erie Burst--
--"Alpha"
2. Blackfoot Burst
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3. Osage Burst
--"Alpha"
4. Dakota Burst
--"Alpha"
5. Seminole Burst
--Ball of Fire
6. Flathead Burst
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7. Blackfoot Burst
--Ball of Fire

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8. Kickapoo Burst--Ball of Fire
9. Osage Burst--Ball of Fire
10. Inca Burst--Ball of Fire
11. Dakota Burst--Ball of Fire
12. Spark Gaps--Development
- I. Edgerton, Germeshausen & Grier, Inc.
- II. EG&G-Control 00101

EG&G-Tech. Memo. B-28 (Report: SECRET) Card: UNCLASSIFIED

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COMPARISON OF FIELD AND FINAL
ALPHA VALUES, OPERATION REDWING.
TECHNICAL MEMORANDUM NO. B-28.
April 10, 1957. 11p.

8. Flathead Burst--"Alpha"
- I. Corp. Author
- II. EG&G OUT 0482

1. Lacrosse Burst
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6. Navajo Burst
--"Alpha"
7. Apache Burst
--"Alpha"

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RAPATRONIC PHOTOGRAPHY OF
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- 8. Apache Burst--Ball of Fire
- 9. Huron Burst--Ball of Fire
- I. Corp. Author
- II. EG&G Control No. 451

- 1. Lacrosse Burst
--Ball of Fire
- 2. Yuma Burst--
Ball of Fire
- 3. Erie Burst--
Ball of Fire
- 4. ~~Blackfoot Burst--~~
~~Ball of Fire~~
- 5. Kickapoo Burst--
Ball of Fire
- 6. Osage Burst--
Ball of Fire
- 7. Mohawk Burst--
Ball of Fire

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EGG-LAD-111 (Report: SECRET-RD) Cd: Uncl.
Edgerton, Germeshausen and Grier Inc.,
Los Alamos, New Mexico.
REVIEW OF HIGH SPEED PHOTOGRAPHIC RECORDS
(U) QUARTERLY PROGRESS REPORT, 1 JANUARY-
31 MARCH 1971. May 10, 1971. 65p.
(EGG-LAD-442)

- I. Corp. Auth.
- II. EGG-LAD-442
1. Priscilla Burst
2. Hood Burst
3. Navajo Burst
4. Flathead Burst
5. Truckee Burst

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EGG-LAD-185 (Report: SECRET-RD)
Edgerton, Germeshausen and Grier Inc.,
Los Alamos, New Mexico.
OLD FIREBALL PROGRESS SUMMARY (U).
1 OCTOBER THROUGH 31 DECEMBER 1973. 8p.
(LAD-7340)

- Cd: Unclassified
- I. Corp. Auth.
 - II. LAD-7340
 1. Flathead Burst
 2. Encino Burst
 3. Fireball
Radiance Profiles

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Los Alamos Scientific Lab.
Fission Weapon Committee
MINUTES OF THE NINETY-NINTH
MEETING, 24 OCTOBER 1955.
Eyster, Eugene H
Oct. 27, 1955 3p.

1. Python
2. Gnat
3. 56 Project NTS
4. Flathead Burst
5. Erie Burst
6. Air Lenses
- I. Eyster, Eugene H
- II. LASL. Fission
Weapon Committee
- III. GMX-1130

LA-5843-PR (Report: S-RD)
Los Alamos Scientific Lab., New Mexico.
ANNUAL REPORT ON RADIATION CHARACTERIZATION
PROGRAM, FY 1974 (U). William E.
Freag and Robert M. Hanson. April 1975.
10p.

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- I. Authors (2)
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 1. French Atomic
Explosives--
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 2. Atomic Explosions
--Prompt Radiation
 3. Atomic Explosions
--Neutron Emissions
 4. Atomic Explosion
--Gamma Radiation
 5. Flathead Burst
 6. Dakota Burst
 7. Bala Hoop
 8. Dice Game

LA-5995-PR (Rpt: S-RD)
Los Alamos Scientific Lab., NM.
LASL WEAPONS QUARTERLY (U). FOR THE
PERIOD ENDING MARCH 31, 1975. Leslie
M. Redman, Comp. and Earleen Eden, Ed.
May 1975. 88p.

15. Popcorn
 16. Laser Isotope Separation
 17. Gallium-Plutonium Alloys
 18. Electron Beam Welding
 19. Tungsten Alloys--Mechanical
Properties
 20. Gas Lasers
 21. Lasers
 22. Neodymium Laser Systems
- Con't. on page 2

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- I. Authors (2)
- II. Corp. Auth.
 1. Sapello
 2. EMP Generators
 3. Computer Programs
(G)--GUANO
 4. Computer Programs
(R)--RUDI
 5. Computer Programs
(M)--MAGEE
 6. Pratt
 7. Ball of Fire--
Calculations
 8. Flathead
 9. Navajo Burst
 10. Ozone
 11. Stratosphere
 12. Tordo
 13. Barium
 14. Water Waves

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23. Laser Targets
24. Laser Driven Fusion
25. Isotope Separation Methods
26. MRR
27. B61
28. Weapon 76
29. Re-Entry Vehicles (4)
30. Bilge
31. Weapon 78
32. Re-Entry Vehicles (12)
33. Topgallant
34. Americium Isotopes Am-241

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LA-AC-84-3 (Secret/RD)
Los Alamos Scientific Laboratory.
ERIE SEMINOLE FLATHEAD. Audio
Cassette. n.d. 1 cassette tape.
Soundtrack.

CD: Unclass.

- I. Corp. Auth.
- II. FILM-Y-51
1. Erie burst
2. Seminole burst
3. Flathead burst

4-4-84
NWN

c. 1A

N6

MRC-R-178 (Report: S-RD)
Mission Research Corp., Santa Barbara,
Calif.
EARLY-TIME OPTICAL STUDIES III (V).
May 1975. 69p. (MRC-IR-75-177).

8-4-75

Cd: S-MSI Set-1A

- I. Corp. Auth.
1. Atmospheric Bursts
--Calculations
2. French Atomic
Explosions
3. Flathead
4. Optical Detonation
(WD)
5. Chinese Atomic
Explosions
- II. MRC-IR-75-177

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Boston.

COMPARISON OF FIELD AND FINAL
ALPHA VALUES, OPERATION REDWING.
TECHNICAL MEMORANDUM NO. B-28.
April 10, 1957. 11p.

8. Flathead Burst--"Alpha"
- I. Corp. Author
- II. EG&G OUT 0482

1. Lacrosse Burst
--"Alpha"
2. Erie Burst
--"Alpha"
3. Blackfoot Burst
--"Alpha"
4. Osage Burst
--"Alpha"
5. Dakota Burst
--"Alpha"
6. Navajo Burst
--"Alpha"
7. Apache Burst
--"Alpha"

N12

EG&G-1489 (Report: SECRET) Card: CONFIDENTIAL RD

Edgerton, Germeshausen & Grier, Inc.
PROGRESS FOR THE MONTH OF JUNE 1956.
June 30, 1956 18p.

1. Erie Burst--
"Alpha"
2. Blackfoot Burst
--"Alpha"
3. Osage Burst
--"Alpha"
4. Dakota Burst
--"Alpha"
5. Seminole Burst
--Ball of Fire
6. Flathead Burst
--Ball of Fire
7. Blackfoot Burst
--Ball of Fire

(Cont'd. on Card 2)

EG&G-1489 (Report: SECRET) Card: CONFIDENTIAL RD CARD 2

8. Kickapoo Burst--Ball of Fire
9. Osage Burst--Ball of Fire
10. Inca Burst--Ball of Fire
11. Dakota Burst--Ball of Fire
12. Spark Gaps--Development
- I. Edgerton, Germeshausen & Grier, Inc.
- II. EG&G-Control 00101

[REDACTED]
FILM-Y-51 (Film: SECRET-RD) Cd: UNCLASSIFIED
Los Alamos Scientific Lab., N. Mex.
ERIE SEMINOLE FLATHEAD. n.d. 15 min.,
sd., b&w., 16 mm.

- I. Corp. Auth.
1. Erie Burst
2. Seminole
Burst
3. Flathead Burst

JUN 16 1994

8-3-67

N6

LA-AC-84-3 (Secret/RD)
Los Alamos Scientific Laboratory.
ERIE SEMINOLE FLATHEAD. Audio
Cassette. n.d. 1 cassette tape.
Soundtrack.

- CD: Unclass.
I. Corp. Auth.
II. FILM-Y-51
1. Erie burst
2. Seminole burst
3. Flathead burst

4-4-84
NWN

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EG&G-1489 (Report: SECRET) Card: CONFIDENTIAL RD

Edgerton, Germeshausen & Grier, Inc.
PROGRESS FOR THE MONTH OF JUNE 1956.
June 30, 1956 18p.

1. Erie Burst—
"Alpha"
2. Blackfoot Burst
—"Alpha"
3. Osage Burst
—"Alpha"
4. Dakota Burst
—"Alpha"
5. Seminole Burst
—"Ball of Fire"
6. Flathead Burst
—"Ball of Fire"
7. Blackfoot Burst
—"Ball of Fire"

(Cont'd. on Card 2)

SECRET

JUN 16 1994

EG&G-1489 (Report: SECRET) Card: CONFIDENTIAL RD CARD 2

8. Kickapoo Burst—Ball of Fire
9. Osage Burst—Ball of Fire
10. Inca Burst—Ball of Fire
11. Dakota Burst—Ball of Fire
12. Spark Gaps—Development
- I. Edgerton, Germeshausen & Grier, Inc.
- II. EG&G-Control 00101

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5379JFE (Report: SECRET) Card: CONFIDENTIAL RD

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EG&G-1478 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston
PROGRESS FOR THE MONTH OF MAY, 1956.
May 31, 1956 16p.

1. Lacrosse Burst
2. Cherokee Burst
3. Zuni Burst
4. Yuma Burst
5. Erie Burst
6. Spark Gaps—
Development
- I. Edgerton,
Germeshausen &
Grier, Inc.,
Boston
- II. EG&G Control No.
00023

III. Contract AT(29-1)-1183

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EG&G-1478 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston
PROGRESS FOR THE MONTH OF MAY, 1956.
May 31, 1956 16p.

1. Lacrosse Burst
2. Cherokee Burst
3. Zuni Burst
4. Yuma Burst
5. Erie Burst
6. Spark Gaps—
Development
- I. Edgerton,
Germeshausen &
Grier, Inc.,
Boston
- II. EG&G Control No.
00023

III. Contract AT(29-1)-1183

FIIM-Y-51 (Film: SECRET-RD) Cd: UNCLASSIFIED
Los Alamos Scientific Lab., N. Mex.
ERIE SEMINOLE FLATHEAD. n.d. 15 min.,
sd., b&w., 16 mm.

- I. Corp. Auth.
1. Erie Burst
2. Seminole
Burst
3. Flathead Burst

~~SECRET~~

JUN 16 1994

FWC-M99

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Ca: CONFIDENTIAL

Los Alamos Scientific Lab.
Fission Weapon Committee
MINUTES OF THE NINETY-NINTH
MEETING, 24 OCTOBER 1955.
Eyster, Eugene H
Oct. 27, 1955 3p.

1. Python
2. Gnat
3. 56 Project NTS
4. Flathead Burst
5. Erie Burst
6. Air Lenses
- I. Eyster, Eugene H
- II. LASL. Fission
Weapon Committee
- III. GMX-1130

LA-AC-84-3 (Secret/RD)
Los Alamos Scientific Laboratory.
ERIE SEMINOLE FLATHEAD. Audio
Cassette. n.d. 1 cassette tape.
Soundtrack.

- CD: Unclass.
- I. Corp. Auth.
 - II. FILM-Y-51
 1. Erie burst
 2. Seminole burst
 3. Flathead burst

4-4-84
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[REDACTED]

UCID-5010 (Report: SECRET) cd: CONFIDENTIAL RD
California. University. Livermore.

JUN 16 1994

Lawrence Radiation Lab.

FIREBALL ABLATION. T. Wainwright. III. COT-63-23
June 3, 1963. 15p. including p.i.

- I. Author (1)
- II. Corp. Auth.
- III. COT-63-23
1. Ball of Fire
2. Bagpipe
3. Erie Burst
4. Smoky Burst

7-12-65

N8

EG&G-1489 (Report: SECRET) Card: CONFIDENTIAL RD

Edgerton, Germeshausen & Grier, Inc.
PROGRESS FOR THE MONTH OF JUNE 1956.
June 30, 1956 18p.

1. Erie Burst—
"Alpha"
2. Blackfoot Burst
—"Alpha"
3. Osage Burst
—"Alpha"
4. Dakota Burst
—"Alpha"
5. Seminole Burst
—Ball of Fire
6. Flathead Burst
—Ball of Fire
7. Blackfoot Burst
—Ball of Fire

(Cont'd. on Card 2)

EG&G-1489 (Report: SECRET) Card: CONFIDENTIAL RD CARD 2

8. Kickapoo Burst—Ball of Fire
9. Osage Burst—Ball of Fire
10. Inca Burst—Ball of Fire
11. Dakota Burst—Ball of Fire
12. Spark Gaps—Development
- I. Edgerton, Germeshausen & Grier, Inc.
- II. EG&G-Control 00101

JUN 16 1994

EG&G-Tech. Memo. B-28 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.
Boston.

COMPARISON OF FIELD AND FINAL
ALPHA VALUES, OPERATION REDWING.
TECHNICAL MEMORANDUM NO. B-28.
April 10, 1957. 11p.

8. Flathead Burst--"Alpha"
- I. Corp. Author
- II. EG&G OUT 0482

1. Lacrosse Burst
--"Alpha"
2. Erie Burst
--"Alpha"
3. Blackfoot Burst
--"Alpha"
4. Osage Burst
--"Alpha"
5. Dakota Burst
--"Alpha"
6. Navajo Burst
--"Alpha"
7. Apache Burst
--"Alpha"

N12

EG&G-1583 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier,
Inc., Boston
RAPATRONIG PHOTOGRAPHY OF
THE FIREBALL, REDWING, 1956.
March 15, 1957. 20p.

8. Apache Burst--Ball of Fire
9. Huron Burst--Ball of Fire
- I. Corp. Author
- II. EG&G Control No. 451

1. Lacrosse Burst
--Ball of Fire
2. Yuma Burst--
Ball of Fire
3. Erie Burst--
Ball of Fire
4. Blackfoot Burst--
Ball of Fire
5. Kickapoo Burst--
Ball of Fire
6. Osage Burst--
Ball of Fire
7. Mohawk Burst--
Ball of Fire

N12

EG&G-1478 (Report: SECRET) ~~SECRET~~ UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston
PROGRESS FOR THE MONTH OF MAY, 1956.
May 31, 1956 16p.

1. Lacrosse Burst
2. Cherokee Burst
3. Zuni Burst
4. Yuma Burst
5. Erie Burst
6. Spark Gaps—
Development
- I. Edgerton,
Germeshausen &
Grier, Inc.,
Boston
- II. EG&G Control No.
00023

III. Contract AT(29-1)-1183

FILM-OA-65 (Film: SECRET-RD) Cd: UNCLASSIFIED
California. Univ., Livermore. Lawrence I. Corp. Auth.
Radiation Lab. 1. Zuni Burst
ZUNI. n.d. 15 min., sd., b&w, 16 mm.

8-3-67

#2

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1

~~SECRET~~

JUN 16 1994

RM-1848 (Report: SECRET) Card: CONFIDENTIAL RD

Rand Corporation
EVALUATION OF REDWING RADIO-
LOGICAL EXPERIMENTS. B. L.
Tucker. January 3, 1957. 11p.

1. Radiological Warfare
2. Zuni Burst
3. Salting
- I. Personal Author
- II. Corp. Author

N6

UCRL-4774 (Report: SECRET) Card: CONFIDENTIAL RD

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LA-11819 and LA-11819 Errata (Rpt:Secret/RD)

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USE

Diagnostics

NWN

N18

UCRL-4562

California. Univ. Livermore.
Radiation Laboratory.
CASTLE (Koon) ALPHA, GAMMA AND THERM
MEASUREMENTS.
Heusinkveld, Myron September, 1955
121p.

SECRET
CD: OFFICIAL USE ONLY

I. Koon Burst
I. Heusinkveld, Myron
II. Calif. Univ.
Livermore.
Radiation Lab.

~~SECRET~~

JUN 16 1994 *Deleted*

[REDACTED]
EG&G-1478 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston
PROGRESS FOR THE MONTH OF MAY, 1956.
May 31, 1956 16p.

1. Lacrosse Burst
2. Cherokee Burst
3. Zuni Burst
4. Yuma Burst
5. Erie Burst
6. Spark Gaps—
Development
- I. Edgerton,
Germeshausen &
Grier, Inc.,
Boston
- II. EG&G Control No.
00023

III. Contract AT(29-1)-1183

FILM-OA-64 (Film: SECRET-RD) Cd: UNCLASSIFIED
California. Univ., Livermore. Lawrence I. Corp. Auth.
Radiation Lab. 1. Yuma Burst
YUMA. n.d., 10 min., sd., b&w, 16 mm.

8-3-67

#2

N4

JO-270 (Report: SECRET) Card: CONFIDENTIAL RD

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SECRET

JUN 16 1994

LA-AC-84-1 (Secret/RD)
Lawrence Radiation Laboratory.
YUMA. Audio Cassette. n.d.
1 cassette tape. Soundtrack.

CD: Unclass.
I. Corp. Auth.
II. FILM-OA-64
1. Yuma burst

4-4-84
NWN

c.1A

N4

EG&G-1583 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier,
Inc., Boston
RAPATRONIC PHOTOGRAPHY OF
THE FIREBALL, REDWING, 1956.
March 15, 1957. 20p.

8. Apache Burst--Ball of Fire
9. Huron Burst--Ball of Fire
I. Corp. Author
II. EG&G Control No. 451

1. Lacrosse Burst
--Ball of Fire
2. Yuma Burst--
Ball of Fire
3. Erie Burst--
Ball of Fire
4. Blackfoot Burst--
Ball of Fire
5. Kickapoo Burst--
Ball of Fire
6. Osage Burst--
Ball of Fire
7. Mohawk Burst--
Ball of Fire

N12

SECRET

JUN 16 1994 *Deleted*

ALO-LA-6 (Report: SECRET)
Albuquerque Operations Office, AEC.
OPERATION REDWING. PACIFIC
PROVING GROUND SPRING &
SUMMER 1956. REPORT OF THE
MANAGER, ALBUQUERQUE
DIVISION, AEC. 1956. 131p.

Cd: UNCLASSIFIED

1. Corp. Auth.
1. Redwing

8-24-65

N3

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111. 1111-01

SECRET

JUN 16 1994

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CTG-7.1 Gen'l Concept-1-55

SECRET

Joint Task Force Seven. Task
Group 7.1

GENERAL CONCEPT NO. 1-55 OF
OPERATION REDWING AND MONTHLY
STATUS REPORT.

Curry, Duncan Jr. April 12,
1955 59p.

XII. J3-59

XIII. J3-60

XIV. J3-61

XV. J3-62

XVI. J3-63 1. Redwing

I. Curry, Duncan Jr.

II. Joint Task Force
Seven. Task Group 7.

III. J3-50

IV. J3-51

V. J3-52

VI. J3-53

VII. J3-54

VIII. J3-55

IX. J3-56

X. J3-57

XI. J3-58

CXXVIII-24 (Report: ~~SECRET~~ SECRET) card: UNCLASSIFIED

Calif. Univ., Livermore. Radiation Lab. 1. Redwing
PRELIMINARY DISCUSSION OF THE 1. Personal Author
UNIVERSITY OF CALIFORNIA RADIATION II. Corp. Author
LABORATORY PLANS FOR OPERATION
REDWING. Mark M. Mills. July 7, 1955.
9p.

Auth. No. CXXVIII-24-18A.

N4

JUN 16 1994

EGG-1183-5082 (Rpt: S-RD)
EG & G, Los Alamos, NM and Los Alamos
Scientific Laboratory, NM.
REVIEW OF HIGH-SPEED PHOTOGRAPHIC RECORDS
(U). FY 76 YEAR END STATUS REPORT. C.K.
Mitchell and Harold I. Heaton. June 1977
48p. (IAD-8879).

CD: UNCLASS.
I. Authors(2)
II. Corp. Authors(2)
III. IAD-8879
1. Atomic Explosions
-- Photographic
Analysis
2. Flathead
3. Dakota
4. Redwing
5. Ivy King

11/21/77

c. 1A Thru 20A

N11

EGG-1183-5038 (Report: SECRET-RD)
Edgerton, Germeshausen and Grier, Los
Alamos, New Mexico and Los Alamos
Scientific Lab., New Mexico.
OPERATION REDWING SPECTROGRAPHIC
OBSERVATIONS OF DAKOTA (0 - 10 nsec)
(U). D. D. Cobb and C. K. Mitchell.
June 1974. 106p. (EGG-IAD-7676)

Cd: UNCLASSIFIED
I. Authors (2)
II. Corp. Authors (2)
III. EGG-IAD-7676
1. Redwing
2. Dakota
3. Spectrum Analysis

10-3-74

N9

Rec'd:

Count:

Title List:

EG&G-1499 (Report: SECRET) Card: CONFIDENTIAL RD

Edgerton, Germeshausen & Grier, Inc.,
Boston
PROGRESS FOR THE MONTH OF JULY, 1956.
July 31, 1956. 23p.

9. Apache Burst--"Alpha"
10. Navajo Burst--"Alpha"
11. Time Interval (TN)--Measurement
I. Corporate Author
II. EG&G Control No. 00176

1. Pilgrim--
Preparation
2. Spark Gaps
3. Redwing
4. Mohawk Burst--
Ball of Fire
5. Apache Burst--
Ball of Fire
6. Navajo Burst--
Ball of Fire
7. Tewa Burst--
Ball of Fire
8. Huron Burst--
Ball of Fire

EG&G-LV-216

SECRET
cd: CONFIDENTIAL

JUN 16 1994

Edgerton, Germeshausen &
Grier, Inc.
OPERATION REDWING. INTERIM
EXPERIMENTAL SUMMARY, E.G.&G
PROGRAMS.
Sept. 26, 1955 44p.

1. Redwing
- I. Edgerton, Germes-
hausen & Grier, Inc
- II. EG&G-LV-1736
- III. No.
LV-1736

EG&G-LV-02562 (Report: CONFIDENTIAL)
Edgerton, Germeshausen & Grier, Inc.,
Las Vegas, Nevada.
REDWING PRINT ASSEMBLY SHEETS.
Sara Willett. November 23, 1956.
51p.

- Cd: UNCLASSIFIED
- I. Author (1)
 - II. Corp. Auth.
 - III. LV-02562
 1. Redwing
 2. Photographic
Films

2-21-67

N6

EG&G-OUT-1859

SECRET
Cd: OFFICIAL USE ONLY

Edgerton, Germeshausen & Grier,
Inc.
PROGRESS REPORT FOR THE MONTH
OF JULY, 1955.
July 29, 1955 39p.

1. Redwing
2. Photography--
Equipment
3. Upshot-Knothole
--"Alpha"
Measurement
4. Upshot-Knothole-
Transit Times
5. Zucchini--Cloud
Formation

(Cont'd on cd 2)

EG&G-OUT-1859

~~SECRET~~ SECRET

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JUN 16 1994

6. Apple--Cloud Formation
7. HA
8. Apple II--Cloud Formation
9. Spark Gaps
 - I. Edgerton, Germeshausen & Grier, Inc.
 - II. EG&G-1368

EG&G-OUT-1868

SECRET

Cd: OFFICIAL USE ONLY

Edgerton, Germeshausen & Grier,
Inc.

PROGRESS FOR THE MONTH OF
AUGUST, 1955.

Aug. 31, 1955 35p.

- I. Edgerton, Germeshausen
& Grier, Inc.
- II EG&G-1374

1. Redwing--
Instrumentation
2. Redwing--Photo-
graphy
3. Redwing
4. High Speed Photo-
graphy
5. Time Interval--
Measurement
6. Spark Gaps

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3/62

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JUN 16 1994

EG&G-PPG-2272 (Report: SECRET) UNCLASSIFIED

Edgerton, Germeshausen & Grier,
Boston.

ERIE ALPHA ANALYSIS. D. J. Barnes
June 8, 1956. 59p.

1. Erie Burst--
"Alpha"
2. Redwing
 - I. Personal Author
 - II. Corp. Author
- III. PPG-2272

N6

3/62

EG&G-PPG-2315 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston.

PRELIMINARY ALPHA- SHOT BLACKFOOT.
D. J. Barnes. June 19, 1956. 89p.

1. Blackfoot Burst--
"Alpha"
2. Redwing
 - I. Personal Author
 - II. Corp. Author
- III. PPG-2315

N6

3/62

EG&G-PPG-2321 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston.

PRELIMINARY ALPHA- SHOT OSAGE.
Donald J. Barnes. June 20, 1956. 23p.

1. Osage Burst--
"Alpha"
2. Redwing
 - I. Personal Author
 - II. Corp. Author
- III. PPG-2321

N6

3/62

SECRET

EG&G-PPG-2336 (Report: SECRET)

d: UNCLASSIFIED

JUN 16 1996

Edgerton, Germeshausen & Grier, Inc.,
Boston.

PRELIMINARY ALPHA DAKOTA. D.
Barnes. June 28, 1956. 28p.

1. Dakota Burst--
"Alpha"
2. Redwing
 - I. Personal Author
 - II. Corp. Author
 - III. PPG-2336

N6

3/62

EG&G-PPG-2340 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston.

COMMON TIME FIT- SHOT BLACKFOOT
(PRELIMINARY REPORT). D. J. Barnes.
June 30, 1956. 10p.

1. Blackfoot Burst--
--Time of Arrival
2. Redwing
 - I. Personal Author
 - II. Corp. Author
 - III. PPG-2340

N6

3/62

EG&G-PPG-2372 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston.

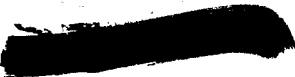
PRELIMINARY ALPHA SHOT APACHE.
D. J. Barnes. July 16, 1956. 37p.

1. Apache Burst--
"Alpha"
2. Redwing
 - I. Personal Author
 - II. Corp. Author
 - III. PPG-2372

N6

3/62

SECRET


EG&G-PPG-2373 (Report: SECRET)

CLASSIFIED

JUN 16 1994

Edgerton, Germeshausen & Grier, Inc.
Boston.

PRELIMINARY ALPHA - SHOT NAVA.

D. J. Barnes. July 16, 1956. 27p.

. Navaho Burst--
"Alpha"

. Redwing

. Personal Author

II. Corp. Author

III. PPG-2373

N6

3/62

EG&G-PPG-2400 I (Report: SECRET) Cd: UNCLASSIFIED

Edgerton, Germeshausen and Grier, Inc.,
Boston, Mass.

PRELIMINARY ALPHA - SHOT TEWA.

D. Berkowitz. July 24, 1956. 19p.

1. Redwing

2. Tewa Burst

I. Personal Author

II. Corp. Author

III. PPG-2400 I

N6

EG&G-Tech. Memo-B-37 (Report: SECRET) Cd: UNCLASSIFIED

Edgerton, Germeshausen and Grier, Inc.,
Las Vegas, Nev.

EFFECTS OF LENS DISTORTION ON
REDWING CHEROKEE FIREBALL YIELD.

TECH. MEMO. B-37. July 9, 1957.

8p.

1. Redwing

2. Cherokee Burst
--Yield

I. Corp. Author

II. EG&G Control No.
00625

N5


SECRET

243

JUN 16 1994

EG&G-Tech. Memo-B-39 (Report: SECRET) Cd: CONFIDENTIAL
RD

Edgerton, Germeshausen & Grier, Inc.,
Las Vegas, Nev.

TIME TO MINIMUM AND SECOND
MAXIMUM: SELECTED REDWING
SHOTS. TECHNICAL MEMORANDUM
B-39. E. Patricia Leary. July 9,
1957. 6p.

1. Redwing
2. Cherokee Burst
3. Navaho Burst
4. Lacrosse Burst
5. Erie Burst
6. Mohawk Burst
- I. Personal Author
- II. Corp. Author
- III. EG&G Control No.
00626

N10

Title List:

FILM-LXI-10011 (Film: TOP SECRET-RD)
Los Alamos Scientific Lab., N. Mex.
REDWING SUMMARY. [n.d.]. Black & White,
1265' 30 frame. (Film-Y-56)

Cd: UNCLASSIFIED
I. Corp. Auth.
II. Film-Y-56
1. Redwing

Auth. No. LXI-10011-1S & 2N

5-10-71

prints #1S, 2N N6

Rec'd:

Copies:

FILM-LXI-10012 (Film: TOP SECRET-RD)
Los Alamos Scientific Lab., N. Mex.
REDWING SUMMARY. [n.d.]. Black & White,
965' 31 frame. Sound. (Film-Y-57)

Cd: UNCLASSIFIED
I. Corp. Auth.
II. Film-Y-57
1. Redwing

Auth. No. LXI-10012

5-10-71


prints #1S, 1N
3N, 4N

N6

Rec'd:

Copies:

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FILM-UCRL-1A-5 (Film: SECRET-RO) Cd: Unclass.
California. Univ., [Livermore, Calif.].
Lawrence Radiation Lab.
"QUICKIE FILM" - Operation Redwing ---
TEWA Event. [1956]. Black & White,
sd., 9 1/2 min., 16mm.

1. Corp. Auth.
1. Tewa Burst
2. Redwing

7-13-70

print #2

N6

FILM-Y-48 (Film: SECRET) Card: UNCLASSIFIED

Los Alamos Scientific Lab., N. Mex.
OPERATION REDWING. ERIE SHOT.
(MOTION PICTURE). Sept., 1956.
Scientific photography by Program 15.2.
Animation by LASL Graphic Arts. 4 min.,
sd., bw., 16 mm.

1. Erie Burst
2. Redwing
1. Corp. Author

N4

2/62

FILM-Y-50 (Film: SECRET) Card: UNCLASSIFIED

Los Alamos Scientific Lab., N. Mex.
OPERATION REDWING, LACROSSE SHOT.
(MOTION PICTURE). May, 1956. 15 min.,
magnetic sd., bw., 16 mm.

N4

1/62


SECRET

112

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JUN 16 1956

FILM-Y-52 (Film: SECRET) Card: UNCLASSIFIED

Los Alamos Scientific Lab., N. Mex. 1. Cherokee Burst
OPERATION REDWING, CHEROKEE SHOT. 2. Redwing
(MOTION PICTURE). May, 1956. 12 min., 1. Corp. Author
magnetic sd., bw., 16 mm.

N4 1/62

FWC-M91

SECRET

IASL. Fission Weapon Committee 1. Wasp
MINUTES OF THE NINETY-FIRST 2. Apple
MEETING, 30 MARCH 1955. 3. Redwing
Best, George H April 4, 1955 I. Best, George H -
4p. II. IASL. Fission
Weapon Committee
III. GMX-1070

Deleted

Set No. 1A
LA-84-55-9

FWC-M97


SECRET

CONFIDENTIAL

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FWC-M97

cd 2

SECRET

Cd: CONFIDENTIAL

- I. Best, George H
- II. LASL. Fission Weapons Committee
- III. GMX-1125

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JUN 16 1994

HN-LA-61 (Report: SECRET) Card: UNCLASSIFIED

Holmes and Narver, Inc.
COMPLETION REPORT, OPERATION
REDWING, U.S. ATOMIC ENERGY
COMMISSION PACIFIC PROVING
GROUND. 1954 - 1956. 189p.

1. Redwing
2. Eniwetok Proving
Ground
 - I. Corp. Author
 - II. (LA-1862)
 - III. (LA-1843)

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ITR-1344 (Report: SECRET)

Office of the Deputy Chief of Staff,
Weapons Effects Tests, Field
Command, AFSWP.
SUMMARY REPORT OF THE
COMMANDER, TASK UNIT 3.
MILITARY EFFECTS, PROGRAMS
1 - 9. OPERATION REDWING
PRELIMINARY REPORT. K. D.
Coleman. November, 1956. 176p.

1. Redwing
2. Effects
Experiments
 - I. Personal Author
 - II. Corp. Author

N5

J3-142

SECRET
cd: CONFIDENTIAL

Joint Task Force Seven. Task
Group 7.1
SCHEDULE OF PARTICIPATION IN
REDWING.
Kerwin, W T Aug. 18, 1955
137

1. Redwing
 - I. Kerwin, W T
 - II. Joint Task Force
Seven. Task
Group 7.1

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J3-228

JUN 1955

Joint Task Force Seven. Task
Group 7.1.

SCHEDULE OF PARTICIPATION IN
REDWING. (REVISION NO. 1 TO
REDWING PARTICIPATION).

Kerwin, W T Oct. 13, 1955
13p.

1. Redwing
- I. Kerwin, W T
- II. Joint Task Force
Seven. Task Group
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J3-H-1 (Report: CONFIDENTIAL)

Joint Task Force Seven. Task Group 7.1
CTG 7.1 OPERATION ORDER 2-56 (INTERIM
PHASE). TASK ORGANIZATION. Gaslen Felt.
August 20, 1956. 5p.

1. Redwing
2. Pilgrim
3. Hardtack
4. Joint Task Force
Seven. Task Group
7.1
- I. Personal Author
- II. Corporate Author

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J-10-549 (Report: SECRET) Cd: UNCLASSIFIED

Los Alamos Scientific Lab., New Mexico
FIREBALL YIELDS REDWING.

Joseph F. Mullaney. August 17, 1959.
28p.

1. Authors (6)
- II. Corp. Auth.
1. Redwing

Work done by: Leroy N. Blumberg, Robert
D. Cowan, Louis Gatt, Herman Hoerlin,
Thomas L. Jordan, Jr., Joseph F. Mullaney.

2-2-67

N9

JO-89

SECRET

LASL. Pogo Staff
MINUTES OF MEETING, DECEMBER 22,
1954.

Ogle, William E Dec. 28, 1954
3p.

1. Dixie
2. Redwing
3. Teapot
4. Small Implosion
Weapons
- I. Ogle, William
- II. LASL. Pogo Staff

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LA-417-56-18

JTF-7-Order 1-54

Secret

LASL. Joint Task Force Seven.
Task Group 7.1
Commander Task Group 7.1, Joint
Task Force Seven Operation
Order No. 1-54.
28 June 1954 4p.

JTF-7-Order 1-54
LASL. Joint Task
Force Seven. Task
Group 7.1
J3-1
1. Castle
2. Redwing

JTF-7, TG 7.5 (1956) (Report: SECRET)

Joint Task Force Seven. Task Group
7.5
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PROVING GROUND, SPRING AND
SUMMER, 1956. 135p.

1. Redwing
1. Corp. Author

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Joint Task Force Seven. Task Group
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I. Redwing
I. Corp. Author

OPERATION REDWING, PACIFIC
PROVING GROUND. SECTION II.
ADDENDUM. 1956. 26p.

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IA-6438-MS

(Rpt: S-RD)

Los Alamos Scientific Lab., NM.

EFFECT OF DEVICE EMPLACEMENT ON THE POWER-TIME
CURVES OF NUCLEAR EXPLOSIONS IN THE ATMOSPHERE
(U). Marvin M. Hoffman. September 1976. 25p.

Cd: UNCLASSIFIED

- I. Author
- II. Corp. Author
1. Atomic Explosions--
Diagnostic Experiments
2. Atmospheric Bursts
3. Redwing
4. Hardtack
5. Bhangmeters

9-30-76

c.22A thru 40A

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LA-11404 (Rpt:Secret/RD)

Los Alamos National Laboratory.

BRIEF HISTORY OF THE FIRST EFFORTS OF THE
LIVERMORE SMALL-WEAPONS PROGRAM (U).

Lawrence S. Germain. Jan. 1991. 30 p.

Cd:Unclassified

- I. Corp. Auth.
- II. Auth. (1)
1. Atomic weapons--
Design--History
2. Teapot
3. Upshot-Knothole
4. Redwing
5. Plumbob
6. Hardtack
7. One-Point tests
8. Lawrence
Livermore National
Laboratory--
Research--History

5-15-91
WS

c.33A thru 119A

N12

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LA-AC-56-2 (Secret/RD)
Los Alamos Scientific Laboratory.
OPERATION REDWING, CHEROKEE SHOT.
Audio Cassette. May 1956. 1
cassette. Soundtrack.

CD: Unclass.
I. Corp. Auth.
II. FILM-Y-52
1. Redwing
2. Cherokee burst

JUN 16 1957

4-4-84
NWN

c.1A

N5

LA-AC-56-4 (Secret/RD)
Los Alamos Scientific Laboratory.
OPERATION REDWING, LACROSSE SHOT.
Audio Cassette. May 1956. 1
cassette. Soundtrack.

CD: Unclass.
I. Corp. Auth.
II. FILM-Y-50
1. Lacrosse burst
2. Redwing

4-4-84
NWN

c.1A

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LA-AC-84-4 (Secret/RD)
Los Alamos Scientific Laboratory.
REDWING SUMMARY. Audio Cassette.
[n.d.] 1 cassette tape. Soundtrack.

CD: Unclass.
I. Corp. Auth.
II. FILM-Y-56
1. Redwing

5-9-84
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LA-AC-84-5 (Secret/RD)
Los Alamos Scientific Laboratory.
REDWING SUMMARY. Audio Cassette.
n.d. 1 cassette tape. Soundtrack
for: FILM-Y-57.
Auth. No. LXI-10012

CD: Unclass.
I. Corp. Auth.
II. Film-Y-57
1. Redwing

6-12-84
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LAMD-1345

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Los Alamos Scientific Laboratory
LOS ALAMOS SCIENTIFIC LABORATORY
PROGRAM FOR THE PERIOD CALENDAR
YEAR 1955 AND CALENDAR YEAR 1956.
Bradbury, N E Dec. 22, 1954 4p.

Auth. No. CX-1036-32A.

1. Los Alamos Scientific Lab.
2. Nuclear Power
3. Thermonuclear Power
4. Implosion Weapons
5. Gun-Type Weapons
6. Thermonuclear Weapons
7. Teapot
8. Dixie
9. Redwing
- I. Bradbury, Norris
E

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LAMD-1345

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II. Los Alamos Scientific Laboratory

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JUN 16 1957

Los Alamos Scientific Laboratory
PROGRAM FOR THE PERIOD CALENDAR
YEAR 1956 AND CALENDAR YEAR 1957.
Bradbury, N E Dec. 29, 1955 8p.

Auth. No. CX-1120-32A

1. Los Alamos Scientific Lab.
2. Computers
3. Nuclear Power
4. Lapre I
5. Lapre II
6. Lampre
7. Thermonuclear Power
8. Nuclear Propulsion
9. Implosion Weapons
10. Thermonuclear Weapons

(Cont'd on card 2)

LAMD-1393

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11. Gun-type Weapons
12. Small Atomic Weapons
13. Redwing
14. Pilgrim
15. One-Point Detonation
1. Los Alamos Scientific Lab.
11. Bradbury, N E

LAMD-1409 (Rpt: SECRET) Cd: O.U.O.

Los Alamos Scientific Laboratory
TRANSCRIPT OF TALK — REDWING.
Mark, Carson 1956

32p.

1. Redwing
- I. Mark, Carson
- II. Los Alamos Scientific Laboratory

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NDL-TR-74 (Report: SECRET) Cd: UNCLASSIFIED
Nuclear Defense Lab., Edgewood Arsenal,
Md.
GAMMA DOSE RATE COMPILATION (U).
W.E. Loewe, J.W. Mandler, T.G.
Stinchcomb and W.E. Zagotta.
June 1966. 251p.

I. Author
II. Corp. Author
III. Gamma radiation
IV. Greenhouse
V. Bus engine
VI. Tumblers
VII. Ivy
VIII. Castle
IX. Redwing
X. Plumbot
XI. Hardtack
XII. Sun Beam
XIII. First Bowl

9-12-66

N17

OA-LIV-490 (Report: ~~SECRET~~ SECRET)
Joint Task Force Seven
FINAL REPORT, OPERATION REDWING.
B. Hall Hanlon. August 27, 1956. 49p.
Auth. No. OA-LIV-490-6A

Redwing
I. Reducing
II. Personal Author
III. Corp. Author
IV. TSRD 49-56W

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SWDB-56-102-2 (Report: SECRET) Card: CONFIDENTIAL RD

Sandia Corp. Special Weapons
Development Board.
MINUTES OF THE 102ND MEETING,
AUGUST 29, 1956. PART TWO.
August 29, 1956. 18p.

1. Redwing
2. Navaho Burst
3. Huron Burst
4. Mohawk Burst
5. Apache Burst
6. Tewa Burst
7. Vulnerability Studies
8. Storage Hazards
9. Totem Pole
- I. Corporate Author
- II. Q-60869

Tech. Memo. 120-56-51 (Report: SECRET) Card: OFFICIAL USE ONLY

Sandia Corporation
SOME PRESHOT CONSIDERATIONS OF THE
TOTEM POLE EXPERIMENT. TECH. MEMO.
Richardson, H M May 15, 1956 38p.

1. Totem Pole
2. Redwing
3. Kickapoo Burst
- I. Richardson, H M
- II. Sandia Corp.
- III. Q-58629
- IV. Ref. Sym: 7223
(316)
- V. Case No.
407.09

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JUN 16 1954

UCRL-4828 (Report: SECRET) Card: UNCLASSIFIED

California. University. Livermore.
Radiation Laboratory.
REDWING SUBCRITICAL MEASURE-
MENTS. H. Robert Ralston. March 15,
1957. 55p.

1. Redwing
2. Mockingbird--Testing
3. Taxi
- I. Personal Author
- II. Corp. Author

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UCRL-5027 (Report: SECRET) Card: UNCLASSIFIED

Calif. Univ., Livermore. Radiation Lab.
CORRELATION OF FRACTIONATION
PHENOMENA IN THE TEWA EVENT OF
OPERATION REDWING: SUGGESTION
FOR THE CONTROL OF FRACTION-
ATION. P. C. Stevenson, H. G. Hicks,
W. E. Nervik, and H. B. Levy. Nov.
21, 1957. 29p.

1. Tewa Burst--
Fractionation
2. Redwing
3. Fractionation
- I. Authors (4)
- II. Corp. Author

N9

UCRL-5079 (Report: SECRET) Card: UNCLASSIFIED

Calif. Univ., Livermore. Radiation Lab.
MEASUREMENT OF TIME OF CONDEN-
SATION OF BOMB DEBRIS BY A
RADIOCHEMICAL TECHNIQUE. P.
C. Stevenson. January 7, 1958. 26p.

1. Tewa Burst
2. Redwing
3. Whitney Burst
4. Plumbbob
5. Fission Products
--Fractionation
6. Bomb Debris
- I. Personal Author
- II. Corp. Author

N9

263

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JUN 16 1994

UCRL-5168 (Report: SECRET) Card: UNCLASSIFIED

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B.3.

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WT-1344 (Report: SECRET)

Defense Atomic Support Agency. Field
Command, Albq., N. Mex.
TECHNICAL SUMMARY OF MILITARY
EFFECTS, PROGRAMS 1 - 9. OPERATION
REDWING. April 25, 1961. 275p.

1. Cherokee Burst
2. Lacrosse Burst
3. Zuni Burst
4. Inca Burst
5. Redwing
6. Structures--
Effects of Blast
7. Blast Damage
1. Corp. Author

N9


WT-1359 (Report: SECRET) Card: UNCLASSIFIED

Los Alamos Scientific Lab.
REPORT OF THE COMMANDER:
TASK GROUP 7.1. Gaelen Felt.
August, 1956. 163p.

- I. Redwing
- I. Personal Author
- II. Corp. Author

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WT-1359 (Prelim.) (Report: SECRET) Card: UNCLASSIFIED

JUN 16 1994

Los Alamos Scientific Laboratory
REPORT OF THE COMMANDER, TASK
7.1, OPERATION REDWING. August,
1956. 161p. Gaalen L. Felt, et al.

1. Redwing
- I. Personal Author
- II. Corp. Author

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WT-1365 (Prelim.) (Report: SECRET) Card: UNCLASSIFIED

Los Alamos Scientific Laboratory
NEUTRON MEASUREMENTS WITH
THRESHOLD DETECTORS, OPERATION
REDWING. Wendell A. Biggers.
March, 1957. 20p.

1. Redwing
2. Neutrons--
Measurement
3. Atomic Explosions
Field
4. Radiation Detection
Instruments
- I. Personal Author
- II. Corp. Author

WT-1366 (Report: SECRET) Card: UNCLASSIFIED

Los Alamos Scientific Lab.
RADIOLOGICAL SAFETY. OPERATION
REDWING. Gordon L. Jacks. 44p.
May, 1957.

1. Redwing
2. Radiation
Hazards
3. Eniwetok
Proving Ground
- I. Personal Author
- II. Corp. Author


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WT-1366 (prelim.) (Report: SECRET) Card: UNCLASSIFIED

Los Alamos Scientific Lab.
RADIOLOGICAL SAFETY, OPERATION
REDWING. Gordon L. Jacks. May 1,
1957. 41p.

1. Redwing
2. Radiation Hazards
3. Radiation Protection
- I. Personal Author
- II. Corp. Author

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CTG-7.3 (Final) (Report: SECRET)

Naval Gun Factory, Wash., D.C. Task
Group 7.3
OPERATION REDWING, PACIFIC PROVING
GROUND, MARCH - AUGUST 1956. FINAL
REPORT. 1956 196p.

1. Redwing—
Administration
and Organization
- I. Corporate Author

EG&G-OUT-1946

Edgerton, Germeshausen & Grier, Inc.
PROGRESS FOR THE MONTH OF DECEMBER 1955.
Dec. 28, 1955 20p.

SECRET CD: UNCLASS.

1. Redwing—
Administration
and Organization
2. Redwing—
Instrumentation
3. Spark Gaps—
Development
- I. Edgerton,
Germeshausen &
Grier, Inc.
- II. EG&G-1430

SECRET

21-1

J3-430

SECRET CD: CONF. D.I.

Joint Task Force Seven. Task Group 7.1
OPERATION REDWING, OPERATION PLAN NO.
1-56.

January 25, 1956
127 p.

1. Redwing--
Administration and
Organization
- I. Joint Task Force
Seven. Task Group 7.1

SWC-7546610 (Report: SECRET)

Joint Task Force 7. Task Group 7.4.
FINAL REPORT OF THE COMMANDER
TASK GROUP 7.4. OPERATION
REDWING. (1956). 181p. John S.
Samuel.

1. Redwing--
Administration
and Organization
2. Sample Collection
- I. Personal Author
- II. Corp. Author

N5

EG&G-OUT-1892

SECRET
Cd: CONFIDENTIAL

Edgerton, Germeshausen & Grier,
Inc.
PROGRESS FOR THE MONTH OF
SEPTEMBER, 1955.
Sept. 30, 1955 32.

- I. Edgerton, Germeshausen
& Grier, Inc.
- II. EG&G-1397

1. Redwing--Photography
2. Redwing--
Instrumentation
3. High Speed Photo-
graphy--Instrumenta-
tion
4. Redwing--"Alpha"
Measurements
5. Breakaway
6. X-Units
7. Nevada One-Point
Tests

SECRET

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EG&G-LV-02480 (Report: SECRET) Card: UNCLASSIFIED

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Edgerton, Germeshausen & Grier, Inc.,
Las Vegas, Nev.
ALPHA WORKSHEET SUMMARY. Bruce
Carder. September 12, 1956. 45p.

1. "Alpha"
Measurements
2. Redwing--"Alpha"
I. Personal Author
II. Corp. Author
III. LV-02480

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EG&G-PPG-2400 B (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston.
ALPHA WORKSHEET SUMMARY. 1956.
45p.

1. "Alpha"
Measurements
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II. PPG-2400 B

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EG&G-Tech. Memo. B-57 (Report: SECRET) Cd: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston, Mass.
MAXIMUM FIREBALL DIAMETER OF
SELECTED REDWING SHOTS. K.A.
McQuillan. October 29, 1957. 2p.

1. Redwing--Ball
of Fire
2. Ball of Fire
I. Personal Author
II. Corp. Author
III. EG&G-Control
0811

SECRET
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EGG-10282-5006 (Rpt:Secret/RD)
EG & G, Inc. Energy Measurements Group.
RADIOMETRIC REDUCTION DATA FROM TUMBLER-
SNAPPER EVENTS III AND IV (U). L. Rauber
and D. Wright. Jan. 1988. 188 p. (WAD-700)

2-23-88
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I. Auth.
II. Auth. (2)
III. WAD-700
1. Tumbler-Snapper
Burst 3--Ball
of Fire
2. Tumbler-Snapper
Burst 4--Ball
of Fire
3. Redwing--Ball
of Fire
4. Navajo Burst--
Analysis
5. Flathead Burst--
Analysis

N11

TM-132

LASL. Theoretical Megaton
Group
MINUTES OF THE SEVENTY-FIFTH
MEETING, MARCH 28, 1955.
Hoyt, Frank C March 30, 1955
6p.

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2. Clean Bombs
3. Two-Stage Gadgets
4. Atlas
5. Two Stage Primary
Bombs
- I. Hoyt, Frank C
- II. LASL. Theore-
tical Megaton
Group

RM-1232 (Report: SECRET)

Rand Corporation
FRACTION OF REDWING RADIO-
ACTIVITY IN LOCAL FALLOUT. B.
L. Tucker. July 9, 1957. 16p.

1. Redwing--Fall-
Out
2. Zuni Burst
3. Tewa Burst--
Fall-Out
4. Navaho Burst--
Fall-Out
5. Flathead Burst--
Fall-Out
- I. Personal Author
- II. Corp. Author
- III. AFSWP 1053

N9

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ITR-1345 (Report: CONFIDENTIAL)

Armed Forces Special Weapons Project.
Field Command
GAMMA RAYS FROM PLANE AND
VOLUME SOURCE DISTRIBUTIONS.
OPERATION REDWING - PRELIMINARY
REPORT, PROGRAM 2. Victor A. J.
Van Lint. September, 1956. 38p.

1. Redwing--Gamma
Radiation
2. Gamma Radiation--
Calculations
 - I. Personal Author
 - II. Corp. Author

NRDL-TR-146 (Report: CONFIDENTIAL)

Naval Radiological Defense Lab.
SPECTROMETRIC ANALYSIS OF
GAMMA RADIATION FROM FALLOUT
FROM OPERATION REDWING. W.E.
Thompson. April 29, 1957. 42p. and 2p.
abs. cards.

1. Redwing--Gamma
Radiation
2. Zuni--Gamma
Radiation
3. Navaho--Gamma
Radiation
4. Sodium Isotopes
Na²⁴
 - I. Personal Author
 - II. Corp. Author

N7

JTF.7, Redwing-1956 (Report: CONFIDENTIAL)

Joint Task Force Seven, Wash., D.C.
HISTORY OF OPERATION REDWING:
THE ATOMIC WEAPONS TESTS
IN THE PACIFIC, 1956. Martin
Blumenson and Hugh D. Hexamer.
December 1, 1956. 117p.

1. Redwing--History
 - I. Authors (2)
 - II. Corp. Author

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EG&G-1447 (Rpt: SECRET) Cd: CONF.

Edgerton, Germeshausen & Grier, Inc.
Boston.
PROGRESS FOR THE MONTH OF FEBRUARY,
1956.

February 29, 1956 20p.

- II. EG&G-OUT-1975
- III. Contract AT(29-1)-1183

- 1. Redwing--
Instrumentation
- 2. Lacrosse Burst
--"Alpha"
- 3. Erie Burst
--"Alpha"
- 4. Blackfoot
Burst--"Alpha"
- 5. Osage Burst
--"Alpha"
- 6. Spark Gaps
- I. Edgerton, Germe-
hausen & Grier,
Inc., Boston

EG&G-LV-233

SECRET
CD: CONFIDENTIAL

Edgerton, Germeshausen & Grier,
Inc.
PRELIMINARY SURVEY DATA
OPERATION REDWING.
Nov. 25, 1955 14p.

- 1. Redwing--
Instrumentation
- I. Edgerton,
Germeshausen &
Grier, Inc.
- II. EG&G-LV-1872
- III. LV-1872

EG&G-OUT-1868

SECRET
Cd: OFFICIAL USE ONLY

Edgerton, Germeshausen & Grier,
Inc.
PROGRESS FOR THE MONTH OF
AUGUST, 1955.
Aug. 31, 1955 35p.

- I. Edgerton, Germeshausen
& Grier, Inc.
- II. EG&G-1374

- 1. Redwing--
Instrumentation
- 2. Redwing--Photo-
graphy
- 3. Redwing
- 4. High Speed Photo-
graphy
- 5. Time Interval--
Measurement
- 6. Spark Gaps

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JUN 16 1955

EG&G-OUT-1892

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Cd: CONFIDENTIAL

Edgerton, Germeshausen & Grier,
Inc.

PROGRESS FOR THE MONTH OF
SEPTEMBER, 1955.

Sept. 30, 1955 32.

- I. Edgerton, Germeshausen
& Grier, Inc.
- II. EG&G-1397

- 1. Redwing--Photography
- 2. Redwing--
Instrumentation
- 3. High Speed Photo-
graphy--Instrumenta-
tion
- 4. Redwing--"Alpha"
Measurements
- 5. Breakaway
- 6. X-Units
- 7. Nevada One-Point
Tests

EG&G-OUT-1905

SECRET
CD: CONFIDENTIAL

Edgerton, Germeshausen & Grier,
Inc.

PROGRESS FOR THE MONTH OF
OCTOBER, 1955.

Oct. 31, 1955 29p.

- 1. Redwing--Instru-
mentation
- 2. Redwing--Photo-
graphy
- 3. Smoke Rockets--
Testing
- 4. "Alpha" Measure-
ments--Instru-
mentation
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EG&G-OUT-1905

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CD: CONFIDENTIAL

- 5. Edgerton,
Germeshausen &
Grier, Inc.--
Report Lists
- I. Edgerton, Germes-
hausen & Grier, Inc.
- II. EG&G-1408

JUN 16 1996

EG&G-OUT-1936

Edgerton, Germeshausen & Grier, Inc.
PROGRESS FOR THE MONTH OF NOVEMBER, 1955.
Nov. 30, 1955 20p.

SECRET CD: CONF.

1. Redwing—
Instrumentation
2. Scaling Laws
3. Spark Gaps
4. 56 Project NTS
- I. Edgerton, Germeshausen & Grier, Inc.
- II. EG&G-1422

EG&G-OUT-1946

Edgerton, Germeshausen & Grier, Inc.
PROGRESS FOR THE MONTH OF DECEMBER 1955.
Dec. 28, 1955 20p.

SECRET CD: UNCLASS.

1. Redwing—
Administration
and Organization
2. Redwing—
Instrumentation
3. Spark Gaps—
Development
- I. Edgerton,
Germeshausen &
Grier, Inc.
- II. EG&G-1430

EG&G-OUT-1960

Edgerton, Germeshausen & Grier, Inc.
PROGRESS FOR THE MONTH OF JANUARY,
1956.
January 31, 1956 21p.

SECRET CD: UNCLASS.

1. Redwing—
Instrumentation
2. Spark Gaps—
Development
- I. Edgerton,
Germeshausen
& Grier, Inc.
- II. EG&G-1436

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J-6-3536 (Report: SECRET) Cd: UNCLASSIFIED

Los Alamos Scientific Lab., N. Mex.

Task Group 7.1.

INSTRUMENT CHART, OPERATION REDWING.

Feb. 27, 1967. 72p.

I. Corp. Auth.

1. Redwing

--Instrumentation

4-25-67

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WT-1303 (Report: SECRET)

Naval Ordnance Lab., White Oak, Md.
AIR BLAST AND SHOCK PHENOMENA
BY PHOTOGRAPHY. OPERATION
REDWING - PROJECT 1.3. L. J.
Belliveau and P. Hanlon. Sept. 22,
1959. 46p.

1. Redwing.

Project 1.3

2. Redwing--

Instrumentation

3. Blast Waves--

Measurement

I. Authors (2)

II. Corp. Author

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UCRL-5995 (Report: SECRET) card: UNCLASSIFIED

California. Univ., Livermore. Lawrence
Radiation Lab.

EXTERNAL NEUTRON MEASUREMENTS
MADE BY RADIOCHEMICAL METHODS
IN OPERATIONS REDWING AND HARD-
TACK ON FLUTE, WHISTLE, AND
CHERUB. Norman A. Bonner. June 27,
1960. 31p.

1. Flute--Neutron
Measurements

2. Whistle--Neutron
Measurements

3. Cherub--Neutron
Measurements

4. Redwing--Neutron
Measurements

5. Hardtack--Neutron
Measurements

6. Neutron Measure-
ments

I. Personal Author

II. Corp. Author

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274

JUN 16 1994

EG&G-1640 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston
OPERATION REDWING: PROJECT NOS.
15.1 AND 23.2. TECHNICAL PHOTO-
GRAPHY OF EARLY CLOUD GROWTH
AND MOTION. July 22, 1957. 31p.

1. Redwing--
Photographic
Analysis
2. Atomic Cloud
- I. Corp. Author
- II. EG&G Control
No. 00654

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Edgerton, Germeshausen & Grier, Inc.
TECHNICAL PHOTOGRAPHY. OPER-
ATION REDWING, PROJECTS 9.1, 15.1,
23.1, 23.2, AND 23.5. March 14, 1958.
185p.

1. Redwing. Project
9.1
2. Redwing. Project
15.1
3. Redwing. Project
23.1
4. Redwing. Project
23.2
5. Redwing. Project
23.5
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Photographic
Analysis
- I. Corp. Author
- II. EG&G Control 0859
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EG&G-LV-211

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Edgerton, Germeshausen & Grier, Inc.
OPERATION REDWING, FIRST PRELIMINARY
PHOTO PLAN. PROJECTS 9.1 - 15.1 -
23.1 - 23.2 - 23.5.
Sept. 1, 1955 23p.

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1. Redwing--
Photography
2. Redwing.
Project 9.1
3. Redwing.
Project 15.1
4. Redwing.
Project 23.1
5. Redwing.
Project 23.2

EG&G-LV-211

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6. Redwing. Project 23.5
- I. Edgerton, Germeshausen & Grier, Inc.
- II. Classified Control No. LV-1685
- III. EG&G-LV-1685

EG&G-LV-236

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CD: CONFIDENTIAL DI

Edgerton, Germeshausen & Grier, Inc.
OPERATION REDWING; FOURTH PRE-
LIMINARY PHOTO PLAN, PROGRAMS
15-23-9.1.

December 14, 1955
26p.

1. Redwing--
Photography
- I. Edgerton,
Germeshausen &
Grier, Inc.
- II. EG&G-LV-1903
- III. LV-1903

EG&G-LV-247 (Rpt: CONFIDENTIAL)

Edgerton, Germeshausen & Grier, Inc.,
Las Vegas.
OPERATION REDWING, PRE-OPERATION PHOTO
PLANNING.
Fussell, Lewis Jr. March 23, 1956
89p.

1. Redwing--
Photography
- I. Fussell, Lewis
Jr.
- II. Edgerton, Ger-
meshausen &
Grier, Inc.,
Las Vegas.
- III. LV-02161

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EG&G-LV-1817

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Cd: CONFIDENTIAL

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Edgerton, Germeshausen & Grier, Inc.

OPERATION REDWING THIRD PRE-
LIMINARY PHOTO PLAN PROGRAMS
15-23-9.1.

Oct. 20, 1955 23p.

1. Redwing--Photography
2. Photography
- I. Edgerton, Germeshausen & Grier, Inc.
- II. EG&G-LV-224
- III. LV-01817
- IV. EG&G-LV-01817

EG&G-OUT-1751

SECRET

Edgerton, Germeshausen & Grier, Inc.
PROGRESS FOR THE MONTH OF
DECEMBER, 1954.

Dec. 31, 1954 36p.

1. Teapot
2. Redwing--Photography
3. Castle
4. Triggered Dark Gaps
5. Wigwam
- I. Edgerton, Germeshausen & Grier, Inc.

EG&G-OUT-1752

SECRET

Edgerton, Germeshausen & Grier, Inc.
PROGRESS REPORT FOR THE MONTH
OF JANUARY, 1955.

Jan. 31, 1955 39p.

1. Teapot--Photography
2. Redwing--Photography
3. Teapot--Alpha Measurements
- I. Edgerton, Germeshausen & Grier, Inc.
- II. Contract No. AT(29-1)-1183

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Cd: OFFICIAL USE ONLY

JUN 16 1955

Edgerton, Germeshausen & Grier,
Inc.

PROGRESS FOR THE MONTH OF
AUGUST, 1955.

Aug. 31, 1955 35p.

I. Edgerton, Germeshausen
& Grier, Inc.

II. EG&G-1374

1. Redwing--
Instrumentation
2. Redwing--Photo-
graphy
3. Redwing
4. High Speed Photo-
graphy
5. Time Interval--
Measurement
6. Spark Gaps

EG&G-OUT-1892

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Cd: CONFIDENTIAL

Edgerton, Germeshausen & Grier,
Inc.

PROGRESS FOR THE MONTH OF
SEPTEMBER, 1955.

Sept. 30, 1955 32.

I. Edgerton, Germeshausen
& Grier, Inc.

II. EG&G-1397

1. Redwing--Photography
2. Redwing--
Instrumentation
3. High Speed Photo-
graphy--Instrumenta-
tion
4. Redwing--"Alpha"
Measurements
5. Breakaway
6. X-Units
7. Nevada One-Point
Tests

EG&G-OUT-1905

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CD: CONFIDENTIAL

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Inc.

PROGRESS FOR THE MONTH OF
OCTOBER, 1955.

Oct. 31, 1955 29p.

1. Redwing--Instru-
mentation
2. Redwing--Photo-
graphy
3. Smoke Rockets--
Testing
4. "Alpha" Measure-
ments--Instru-
mentation
(Cont'd on cd 2)

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EG&G-OUT-1905

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CD: CONFIDENTIAL

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- 5. Edgerton,
Germeshausen &
Grier, Inc.--
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- I. Edgerton, Germes-
hausen & Grier, Inc
- II. EG&G-1408

EG&G-OUT-1988 (Report: SECRET) CD: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston
PROGRESS REPORT FOR THE MONTH OF MARCH,
1956.

March 30, 1956 18p.

- 1. Redwing--
Preparation
- 2. Spark Gaps
- I. Edgerton,
Germeshausen &
Grier, Inc.,
Boston
- II. EG&G-1460

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HN-LA-52 (Report: SECRET) Card: UNCLASSIFIED

Holmes and Narver, Inc.
MONTHLY NARRATIVE REPORT.
May 15, 1956 79p.

1. Pacific Proving
Grounds—
Buildings and
Facilities
2. Redwing—
Preparation
- I. Holmes and
Narver, Inc.
- II. Contract AT-
(29-2)-20

J-11-307 (Report: SECRET) Card: CONFIDENTIAL RD

Los Alamos Scientific Laboratory
BOMB FRACTION TRACERS FOR REDWING.
Cowan, George A Feb. 29, 1956
2p.

Bound with FWC-M105

1. Tracer
Techniques
2. Fractionation
—Measurement
3. Redwing—
Preparation
- I. Cowan, George A
- II. Los Alamos
Scientific Lab.
- III. FWC-M105

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LA-142-56-10

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Tech. Memo. 58-56-14 (Report: SECRET) Card: SECRET RD SET 1A

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Sandia Corporation
XR SYSTEMS FOR OPERATION REDWING.
Carr, B J March 28, 1956 59p.

1. External Initials
2. Redwing--
Preparation
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- I. Carr, B J
- II. Sandia Corp.
- III. Q-56766
- IV. Ref. Sym:
7223 (301)

LA-323-56-8

MCL-TP-35 (Report: SECRET) cd: UNCLASSIFIED

McClellan Central Laboratory, McClellan
Air Force Base, Calif.
FINAL REPORT ON THE RADIOCHEMICAL
CHARACTERISTICS OF THE REDWING
SERIES. Joseph E. Duval, edited by:
Elwood M. Douthett. January 23, 1958.
230p.

- I. Authors (2)
- II. Corp. Author
- III. MCL-7276
1. Redwing--
Radiochemical
Analysis

2-26-63

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TL-6TR-3572 (Report: SECRET) Card: UNCLASSIFIED

Tracerlab, Inc. Eastern Div. Labs.
HEAVY ELEMENT CHEMISTRY
AND PARTICLE ANALYSIS OF
FILTER PAPER SAMPLES.
REDWING DATA REPORT, SPRING AND
SUMMER, 1956. VOLUME II. 1956.
56p. (Contract AF 33(038)-14115).

1. Redwing--
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Analysis
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Analysis
3. Fall-Out--
Analysis
- I. Corp. Author
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- III. Contract No.

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JO-136

SECRET
Cd: SECRET

JUN 16 1996

LASL. Pogo Staff
NOTES OF 1ST POGO STAFF
MEETING.

Sept. 12, 1955 3p.

1. Redwing--Spectroscopy
I. LASL. Pogo Staff

LA-208-55-3
Set No. 1A

JO-137

SECRET
Cd: SECRET

LASL. Pogo Staff
NOTES OF 2ND POGO STAFF
MEETING.

Sept. 15, 1955 3p.

1. Redwing--Spectroscopy
I. LASL. Pogo Staff

LA-207-55-3
Set No. 1A

JO-138

SECRET
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LASL. Pogo Staff
NOTES OF THE 3RD MEETING,
SEPTEMBER 19, 1955.
Sept. 19, 1955 3p.

1. Redwing--
Spectroscopy
I. LASL. Pogo Staff

JUN 16 1994

AFCRC-TN-58-371 (Report: SECRET)

Stanford Research Inst., Menlo Park,
Calif.
WAVEFORM AND SPHERICS STUDY.
SCIENTIFIC REPORT I. R.A. Nelson
and Paul D. Marr. July, 1958. 42p.

1. Atomic Explosions
--Detection
2. Redwing--Radiation
Effects
3. Radiation Detectors
 - I. Authors (2)
 - II. Corp. Author

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JTF.7, TG 7.2, S-56/239 (Report: SECRET)

Joint Task Force Seven. Task Group 7.2
OPERATION REDWING, FINAL REPORT,
ENIWETOK ATOLL. July 31, 1956. 187p.

1. Redwing. Final
Report
- I. Personal Author
- II. Corp. Author
- III. T.G. 7.2, S-56/239

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67TMP-7, Rev. (Report: S-RD) Cd: UNCLASSIFIED
General Electric Co., Santa Barbara, Calif.
INFRARED RADIATION INDUCED BY ATMOSPHERIC
NUCLEAR DETONATIONS (U). D. H. Archer,
D. W. Griesinger, and C. Hebner. February
20, 1967. 95p.

- I. Auths. (3)
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Atmospheric Bursts
--Radiation
1. Hardtack
2. Fish Bowl
3. Infrared Radiation

Handwritten: JUN 9 1992

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Title List: 756

ABMA-DA-TN-180 (Report: SECRET)

Army Ballistic Missile Agency, Redstone Arsenal, Ala. Development Operations Div.
STANDARD TRAJECTORY FOR PRO-JECT HANDBOOK UHA. DA TECHNICAL NOTE 87. Feb. 7, 1958. 107p.

1. High Altitude Bursts
2. Hardtack
1. Corp. Author
II. ABMA-DA-TN-87
III. DA-TN-87
IV. DA-TN-70
V. DA-TN-8
VI. DA-TN-14
VII. C-255506

This report supersedes DA-TN-70, DA-TN-14 and DA-TN-8.

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AFCRC-TR-59-377(I) (Report: SECRET)

Stanford Research Inst., Menlo Park, Calif.
OPERATION HARDTACK/NEWSREEL
RADIO ATTENUATION AND REFLECTION
PHENOMENA. FINAL REPORT - PART
I. L. T. Dolphin and R. B. Dyce.
February 1960. 169p.

1. Hardtack
2. Teak Burst
3. Orange Burst
1. Authors (2)
II. Corp. Author
III. SRI Control No.
FO-0-1
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60-105

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ALO-LA-5 (Report: SECRET) Cd: UNCLASSIFIED
Albuquerque Operations Office, AEC.
PROJECT 58A-NTS. REPORT OF
THE TEST MANAGER ATOMIC
ENERGY COMMISSION NEVADA
TEST ORGANIZATION. NEVADA
TEST SITE. March 1958. 4lp.

1. Corp. Auth.
1. Hardtack-
Phase II
2. Hardtack

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COT-58-5 (Report: SECRET) Card: CONFIDENTIAL RD

Calif. Univ., Livermore. Radiation Lab. 1. Hardtack
LIVERMORE MEGATON GROUP MEETING 2. Egg (UCRL)
ON JANUARY 10, 1958. G. T. Pelsor. 3. TX-41 Weapon
Jan. 15, 1958. 4p. 1. Personal Author
II. Corp. Author
III. LMG-91

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Navy. Task Group 7.3
OPERATION HARDTACK, ENIWETOK
PROVING GROUND, MARCH - AUGUST
1958. FINAL REPORT. November 3,
1958. 280p.

1. Hardtack
I. Corp. Author

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Defense Atomic Support Agency, Field
Command, Albq., N. Mex.
REPORT ON SHIELDING UTILIZED ON
PLUMBBOB AND HARDTACK TEST
DEVICES. Charles W. Hulburt. Oct. 5,
1959. 73p.

1. Plumbbob
2. Hardtack
3. Shielding
- I. Personal Author
- II. Corp. Author

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EG&G-1665 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston, Mass.
PROGRESS FOR THE MONTH OF
SEPTEMBER, 1957. 1957. 52p.

1. Plumbbob
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3. Hardtack
- I. Corp. Author
- II. EG&G Control
No. 0785

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Edgerton, Germeshausen and Grier, Inc.,
Boston.
PROGRESS FOR THE MONTH OF MAY,
1958. June 30, 1958. 31p.

1. Hardtack
2. Atomic Explosions
--Yield
- I. Corp. Author

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EG&G-B-1859 (Report: SECRET) Card: UNCLASSIFIED

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Inc., Boston, Mass.
PROGRESS FOR THE MONTH OF
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1. Hardtack
- I. Corp. Author
- II. B-1859

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EGG-B-1866 (Rpt:Secret/RD)
EG & G, Inc.
VERY-LONG-RANGE LIGHT MEASUREMENTS : OPERATION
HARDTACK. John C. Champeny. Dec. 1958.
164 p. (JHH-76-540) (ACV:GMS:217)

- Cd:Unclassified
- I. Corp. Auth.
 - II. Auth. (1)
 1. Hardtack
 2. High-altitude
bursts--Detection
and measurement
 3. High-altitude
bursts--Spectra
 4. Optical
detection (WD)

6-1-90
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EG&G-B-1889 (Report: SECRET) Card: UNCLASSIFIED

Edgerton, Germeshausen & Grier, Inc.,
Boston
PROGRESS REPORT FOR THE MONTH
OF DECEMBER 1958. Feb. 12, 1959.
24p.

1. Hardtack
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- I. Corp. Author
- II. B-1889

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Edgerton, Germeshausen & Grier, Inc.,
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TECHNICAL MEMO. B-68. D. F.
Seacord, Jr. February 4, 1958. 19p.

1. Hardtack
2. Wahoo Burst
3. Underwater Bursts
- I. Personal Author
- II. Corp. Author

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FC/10570426 (Report: SECRET)

Armed Forces Special Weapons Project,
Weapons Effects Div., Wash., D.C.
OPERATION HARDTACK. PHILOSOPHY
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RAMS. 1957. 64p.

- I. Hardtack
- I. Corp. Author

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FC/12570226 (Report: SECRET)

JUN 14 1957

Armed Forces Special Weapons Project
Field Command, Albq.
REPORT ON OPERATIONAL ASPECTS
OF VHA FOR OPERATION HARDTACK.
Harry C. Henry. November 21, 1957
37p.

1. Hardtack
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- I. Personal Author
- II. Corp. Author

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GMX-4-464 (Report: SECRET) Card: UNCLASSIFIED

Los Alamos Scientific Lab., GMX-4
HARDTACK TSETSE. Carl Holtom and
James J. Billings. Oct. 1958. 143p.

1. Hardtack
2. Tsetse
- I. Authors (2)
- II. Corp. Author

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HARDTACK-1 (Report: SECRET)

Dept. of Defense, Wash., D.C.
OPERATION HARDTACK, WEAPONS
EFFECTS PROGRAM, ENIWETOK
PROVING GROUND, SPRING, 1958.
September, 1957. 107p.

1. Hardtack
2. Eniwetok Proving Ground
- I. Corp. Author
- II. SWPWT/976

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HARDTACK-1, Suppl. 3 (Report: SECRET)

SECRET JUN 16 1991

Dept. of Defense, Wash., D.C.
SUPPLEMENT AND CORRECTION TO
THE DOD WEAPONS EFFECTS PROGRAMS,
OPERATION HARDTACK.
November, 1957. 9p.

1. Hardtack
2. Teak Burst
3. Orange Burst
- I. Corp. Author

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HN-E-4-59 (Report: SECRET)

Holmes and Narver, Inc., Los Angeles.
POSTSHOT DAMAGE, OPERATION HARD-
TACK, PHASE I. U.S.A.E.C., ENIWETOK
PROVING GROUND, 1956 - 1958. Aug.
1959. 108p.

1. Structures --
Effects of Atomic
Explosions
2. Hardtack
- I. Corp. Author
- II. E-4-59

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IDA ARPA TR 60-3 (Report: SECRET)

Advanced Research Projects Agency,
Institute for Defense Analysis, Wash.,
D. C.
REPORT ON NUCLEAR INTERFERENCE.
1960. 142p.

1. Teak Burst
2. Orange Burst
3. Communications
Systems -- Effects
of Atomic
Explosions
4. Radar -- Effects of
Atomic Explosions
5. Hardtack
- I. Corp. Author

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ITR-1601 (Rough Draft) (Report: ~~SECRET~~) Card: UNCLASSIFIED

Sandia Corporation
OPERATION HARDTACK HIGH ALTITUDE MEASUREMENTS. JOHNSTON ISLAND, AUGUST, 1958, PROGRAM 32. 3278.

1. Hardtack
2. High Altitude Bursts
3. Orange Burst
4. Teak Burst
- I. Corp. Author
- II. Ref. Sym: 5111, 264

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ITR-1603 (Report: CONFIDENTIAL)

Sandia Corp., Albuquerque, N. Mex.
DIMENSIONS OF NUCLEAR CLOUD FROM A VERY-LOW-YIELD BURST. OPERATION HARDTACK - PROJECT 2.14b/34.9. H. G. Sweeney and M. Cowan, Jr. Dec. 12, 1958. 20p.

1. Hardtack
2. Fig Burst
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- I. Authors (2)
- II. Corp. Author

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Joint Task Force Seven. Task Group 7.1
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1. Redwing
2. Pilgrim
3. Hardtack
4. Joint Task Force Seven. Task Group 7.1
- I. Personal Author
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J3-H-144 (Report: SECRET) UNCLASSIFIED
Joint Task Force Seven, Los Alamos I. Corp. Auth.
New Mexico 1. Hardtack
OPERATION HARDTACK. GENERAL
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Los Alamos, New Mexico. 1. Hardtack
OPERATION HARDTACK. TASK GROUP 7.1.
OPERATION PLAN NO. 1-58. January 15,
1958. 160p.

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LA-2164 (Report: SECRET) Card: CONFIDENTIAL DI

Los Alamos Scientific Lab.
SOME PHENOMENA IN HIGH-ALTITUDE
EXPLOSIONS. Hans A. Bethe. Nov. 7,
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2. Hardtack
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Los Alamos Scientific Lab., NM.
EFFECT OF DEVICE EMPLACEMENT ON THE POWER-TIME
CURVES OF NUCLEAR EXPLOSIONS IN THE ATMOSPHERE
(U). Marvin M. Hoffman. September 1976. 25p.

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- I. Author
 - II. Corp. Author
 1. Atomic Explosions--
Diagnostic
Experiments
 2. Atmospheric
Bursts
 3. Redwing
 4. Hardtack
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9-30-76

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Los Alamos National Laboratory.
BRIEF HISTORY OF THE FIRST EFFORTS OF THE
LIVERMORE SMALL-WEAPONS PROGRAM (U).
Lawrence S. Germain. Jan. 1991. 30 p.

Cd:Unclassified

- I. Corp. Auth.
- II. Auth. (1)
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Design--History
 2. Teapot
 3. Upshot-Knothole
 4. Redwing
 5. Plumbob
 6. Hardtack
 7. One-Point tests
8. Lawrence
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Laboratory--
Research--History

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NBS-3CB105 (Report: SECRET) Card: UNCLASSIFIED

National Bureau of Standards, Boulder
Labs., Boulder, Colo.
ELECTROMAGNETIC EFFECTS FROM
HIGH-ALTITUDE DETONATIONS DURING
OPERATION HARDTACK AND ARGUS.
J.A. Kemper and Herbert Reno
May 5, 1959. 72p.

1. Hardtack
2. Floral
3. Electromagnetic
Radiation
4. Yucca Burst
5. Teak Burst
6. Orange Burst
- I. Authors (2)
- II. Corp. Author
- III. BL Control
No. 8492

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NBS-3CB107 (Report: SECRET)

National Bureau of Standards, Boulder
Labs., Boulder, Colo.
HARDTACK PHASE I; WAVEFORMS
AND SPECTRA. J. A. Kemper and
Herbert Reno. September, 1959. 232p.

1. Hardtack
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3. Electromagnetic
Waves
4. Blast Waves
- I. Authors (2)
- II. Corp. Author
- III. BL Control 5123

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NDL-TR-39 (Report: CONFIDENTIAL)
Army Chemical Corps. Nuclear Defense
Lab., Edgewood Arsenal, Md.
PARTICLE STUDIES OF FALLOUT
FROM A VERY-LOW-YIELD WEAPON,
OPERATION HARDTACK (U). Franklin
D. Richardson, Ernest W. Bloore and
John W. Behringer. October, 1962.
32p. 3p. abs. cds.

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- I. Authors (3)
- II. Corp. Author
1. Fall-Out
2. Hardtack
3. Fig Burst

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3-18-63

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JUN 16 1966

NDL-TR-74 (Report: SECRET) Cd: UNCLASSIFIED

Nuclear Defense Lab., Edgewood Arsenal,
Md.

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W.E. Loewe, J.W. Mandler, T.G.

Stinchcomb and W.E. Zagotta.

June 1966. 251p.

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- II. Corp. Auth.
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3. Buster-Jangle
4. Tumbler
5. Ivy
6. Castle
7. Redwing
8. Plumbbob
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10. Sun Beam
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Chemical Warfare Labs., Army Chemical Center, Md.
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Tracerlab, Inc., Western Div.,
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